

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027229.D
 Acq On : 27 Sep 2018 16:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 28 03:38:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	78582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	125996	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	124380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71631	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	76264	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
35) Dibromofluoromethane	4.88	113	55443	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
50) Toluene-d8	7.57	98	202123	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	10.31	95	76926	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	58435	56.955	ug/l	98
3) Chloromethane	1.33	50	82013	46.363	ug/l	99
4) Vinyl Chloride	1.40	62	85092	51.533	ug/l	99
5) Bromomethane	1.62	94	57339	60.980	ug/l	99
6) Chloroethane	1.69	64	53079	50.311	ug/l	100
7) Trichlorofluoromethane	1.88	101	95590	50.971	ug/l	97
8) Diethyl Ether	2.10	74	43986	48.728	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	55399	48.043	ug/l	99
10) Methyl Iodide	2.41	142	29044	20.309	ug/l	99
11) Tert butyl alcohol	2.83	59	67882	187.254	ug/l	99
12) 1,1-Dichloroethene	2.28	96	51178	47.154	ug/l	96
13) Acrolein	2.19	56	25549	130.740	ug/l	100
14) Allyl chloride	2.59	41	121012	54.973	ug/l	98
15) Acrylonitrile	2.94	53	234170	256.296	ug/l	99
16) Acetone	2.32	43	214967	256.292	ug/l	99
17) Carbon Disulfide	2.48	76	185641	52.505	ug/l	100
18) Methyl Acetate	2.61	43	124316	55.224	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	213167	53.447	ug/l	100
20) Methylene Chloride	2.70	84	69619	49.151	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	62597	54.020	ug/l	97
22) Diisopropyl ether	3.57	45	265082	56.300	ug/l	99
23) Vinyl Acetate	3.53	43	1140852	284.249	ug/l	99
24) 1,1-Dichloroethane	3.45	63	137660	53.085	ug/l	99
25) 2-Butanone	4.26	43	332286	249.999	ug/l	99
26) 2,2-Dichloropropane	4.23	77	108423	53.611	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	68753	52.538	ug/l	98
28) Bromochloromethane	4.55	49	67105	53.682	ug/l	97
29) Tetrahydrofuran	4.64	42	211921	263.568	ug/l	97
30) Chloroform	4.67	83	124984	51.923	ug/l	98
31) Cyclohexane	5.00	56	125642	53.338	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	102450	53.307	ug/l	98
36) 1,1-Dichloropropene	5.14	75	94527	56.214	ug/l	99
37) Ethyl Acetate	4.38	43	122457	53.794	ug/l	99
38) Carbon Tetrachloride	5.13	117	87501	54.680	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	108326	59.279	ug/l	98
40) Benzene	5.39	78	281004	54.971	ug/l	99
41) Methacrylonitrile	4.54	41	68354	57.818	ug/l	98
42) 1,2-Dichloroethane	5.40	62	108244	56.045	ug/l	100
43) Isopropyl Acetate	5.55	43	186415	56.152	ug/l	98
44) Trichloroethene	6.19	130	60171	55.290	ug/l	100
45) 1,2-Dichloropropane	6.43	63	84014	57.680	ug/l	96
46) Dibromomethane	6.56	93	49088	55.802	ug/l	97
47) Bromodichloromethane	6.76	83	98500	55.375	ug/l	99
48) Methyl methacrylate	6.62	41	95408	52.745	ug/l	99
49) 1,4-Dioxane	6.61	88	21027	585.243	ug/l #	93
51) 4-Methyl-2-Pentanone	7.46	43	640451	286.839	ug/l	99
52) Toluene	7.64	92	169870	57.973	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	111003	58.082	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	120967	57.566	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	68457	55.137	ug/l	99
56) Ethyl methacrylate	8.02	69	111060	51.485	ug/l	98
57) 1,3-Dichloropropane	8.24	76	128970	55.850	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	302024	247.095	ug/l	99
59) 2-Hexanone	8.36	43	485211	277.616	ug/l	99
60) Dibromochloromethane	8.48	129	68022	55.854	ug/l	97
61) 1,2-Dibromoethane	8.58	107	71682	55.489	ug/l	99
64) Tetrachloroethene	8.23	164	52141	54.402	ug/l	98
65) Chlorobenzene	9.12	112	173958	52.747	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	62750	55.241	ug/l	99
67) Ethyl Benzene	9.25	91	311051	57.357	ug/l	99
68) m/p-Xylenes	9.38	106	240436	109.332	ug/l	99
69) o-Xylene	9.78	106	111730	58.148	ug/l	99
70) Styrene	9.79	104	190741	53.051	ug/l	99
71) Bromoform	9.96	173	49801	56.694	ug/l #	99
73) Isopropylbenzene	10.17	105	306319	56.217	ug/l	100
74) N-amyl acetate	10.02	43	169809	53.838	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	118901	47.461	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	140399	64.518	ug/l	84
77) Bromobenzene	10.45	156	69740	52.376	ug/l	97
78) n-propylbenzene	10.59	91	380059	58.949	ug/l	100
79) 2-Chlorotoluene	10.66	91	222465	54.933	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	259582	57.711	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	140399	206.468	ug/l #	100
82) 4-Chlorotoluene	10.77	91	261332	57.551	ug/l	99
83) tert-Butylbenzene	11.10	119	237510	53.410	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	267273	58.388	ug/l	99
85) sec-Butylbenzene	11.32	105	307364	56.622	ug/l	100
86) p-Isopropyltoluene	11.48	119	268772	52.715	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	131220	52.958	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	133946	49.600	ug/l	99
89) n-Butylbenzene	11.89	91	253063	51.192	ug/l	99
90) Hexachloroethane	12.15	117	49355	49.999	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	128667	48.884	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26005	50.882	ug/l	96

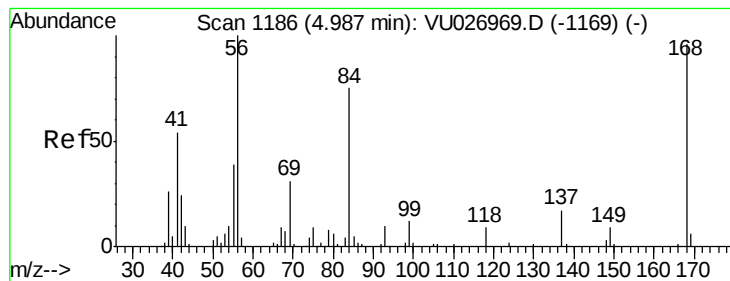
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	84693	55.838	ug/l	99
94) Hexachlorobutadiene	13.69	225	40643	50.642	ug/l	98
95) Naphthalene	13.74	128	279817	47.279	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	86916	53.435	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

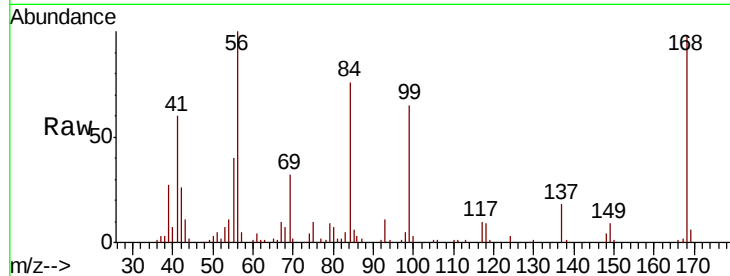
VSTDCCC050

Tot Ion:168 Resp: 78582

Ion Ratio Lower Upper

168 100

99 64.4 48.1 72.1



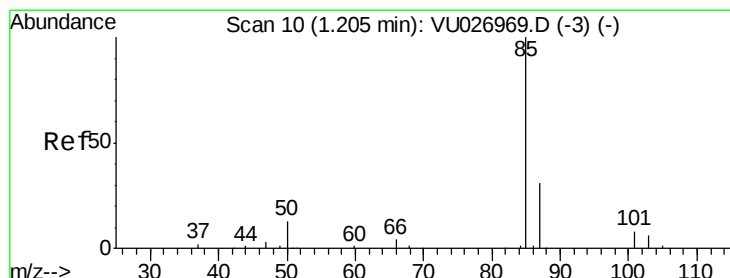
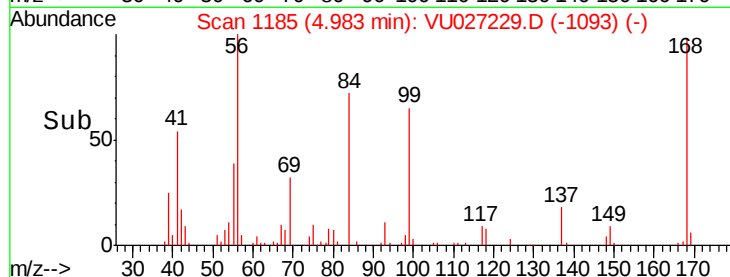
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 56.955 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027229.D

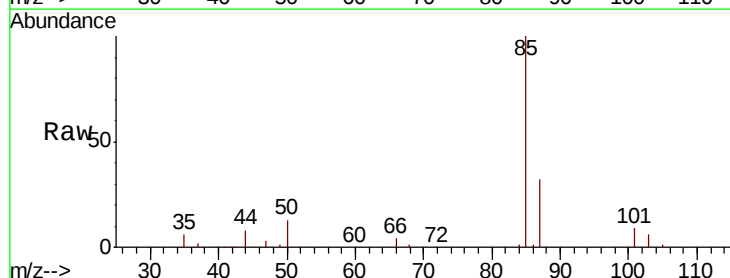
Acq: 27 Sep 2018 16:58

Tgt Ion: 85 Resp: 58435

Ion Ratio Lower Upper

85 100

87 31.9 15.6 46.7



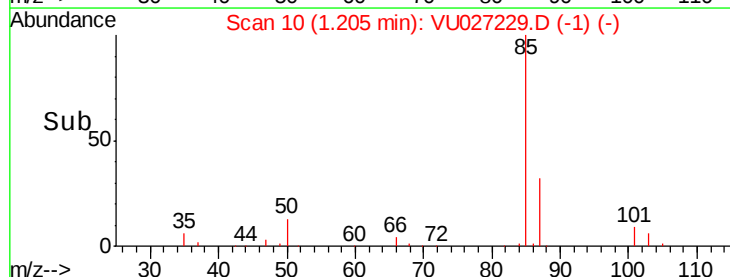
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

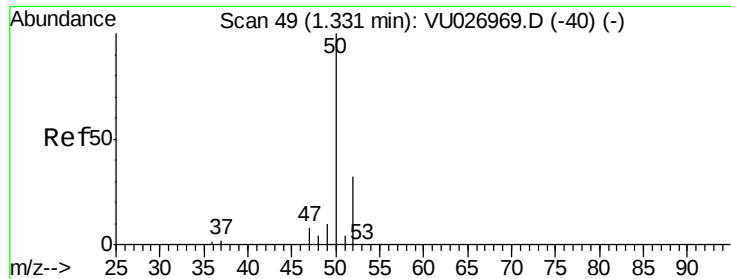
Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 46.363 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

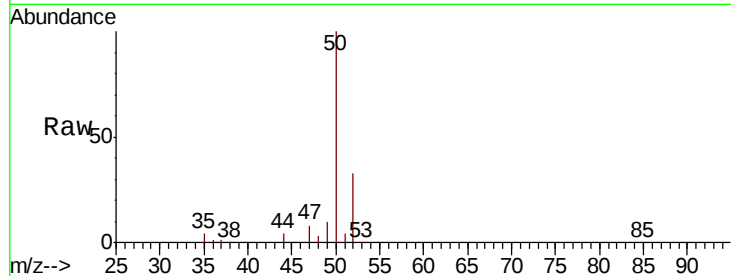
VSTDCCC050

Tot Ion: 50 Resp: 82013

Ion Ratio Lower Upper

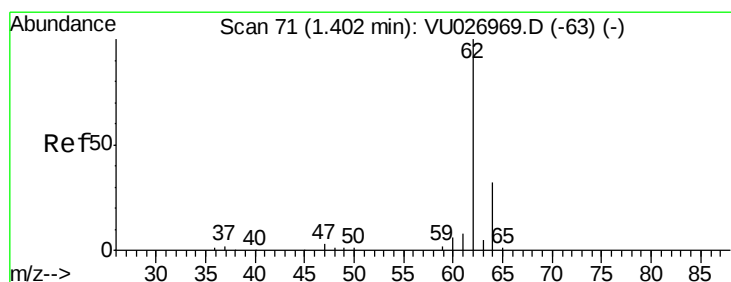
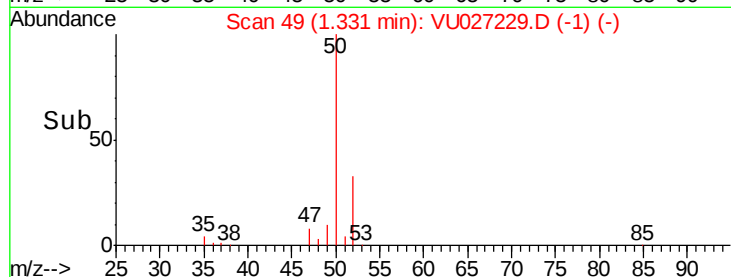
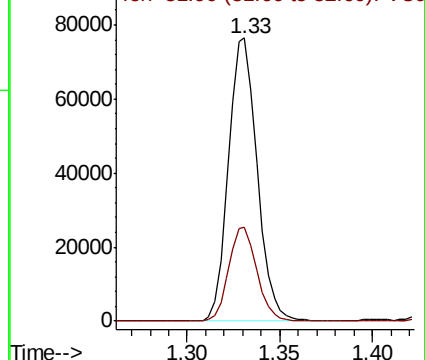
50 100

52 33.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 51.533 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027229.D

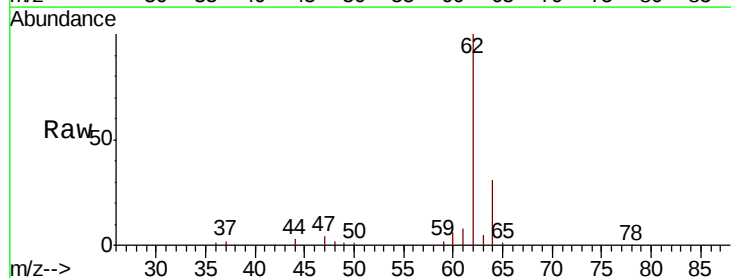
Acq: 27 Sep 2018 16:58

Tgt Ion: 62 Resp: 85092

Ion Ratio Lower Upper

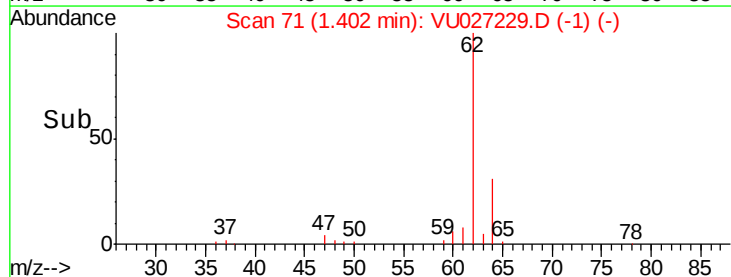
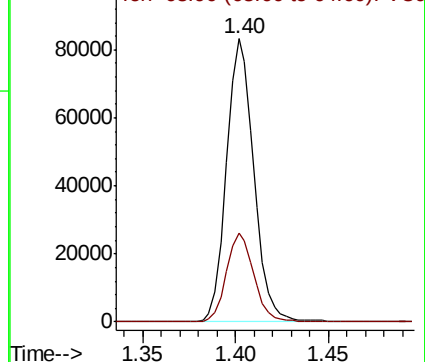
62 100

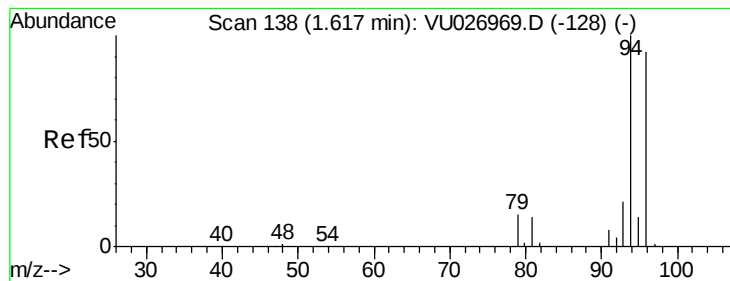
64 31.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 60.980 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

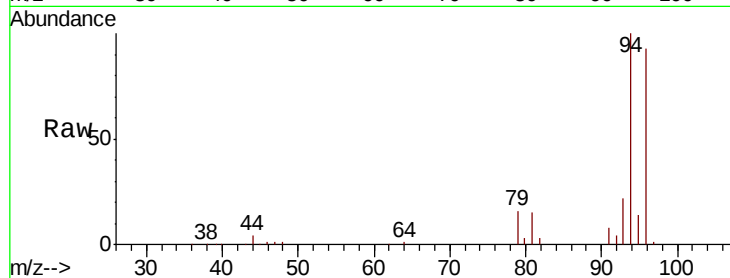
VSTDCCC050

Tot Ion: 94 Resp: 57339

Ion Ratio Lower Upper

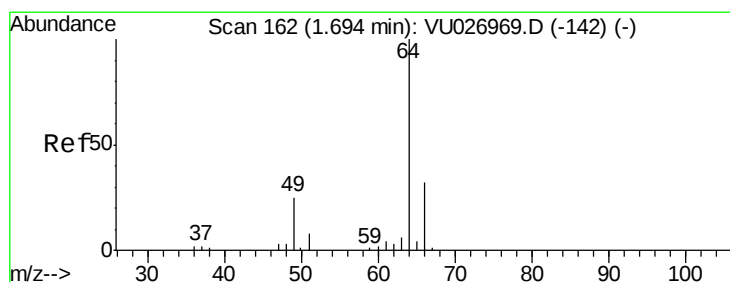
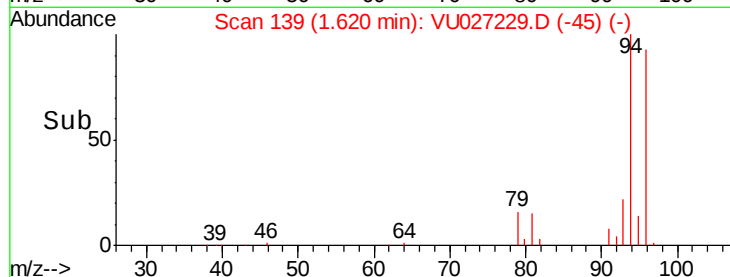
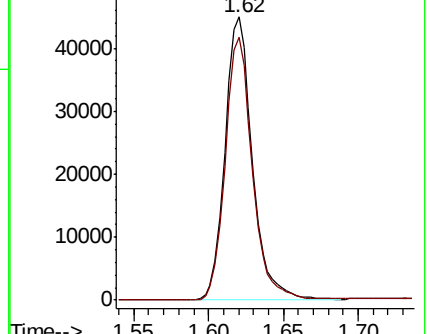
94 100

96 92.9 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 50.311 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027229.D

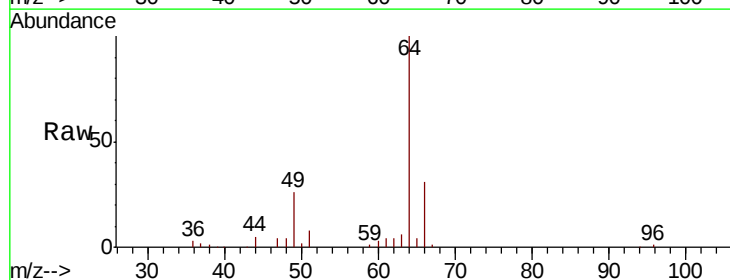
Acq: 27 Sep 2018 16:58

Tgt Ion: 64 Resp: 53079

Ion Ratio Lower Upper

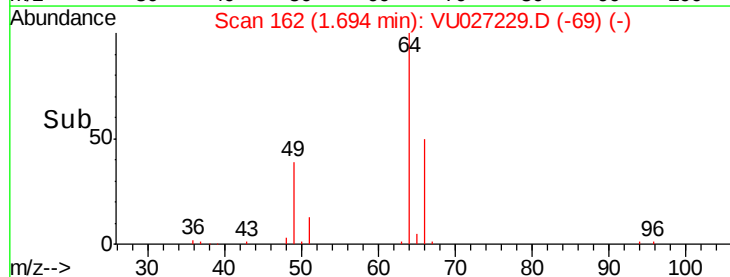
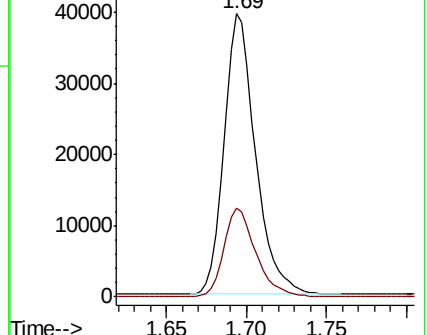
64 100

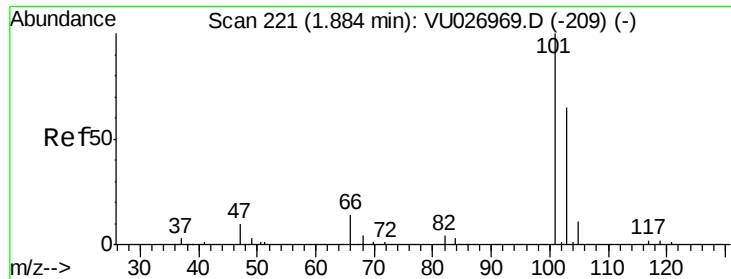
66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



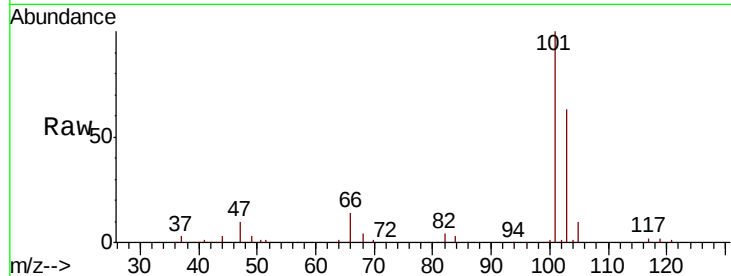


#7

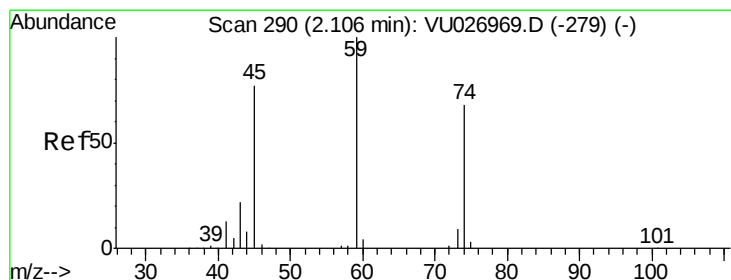
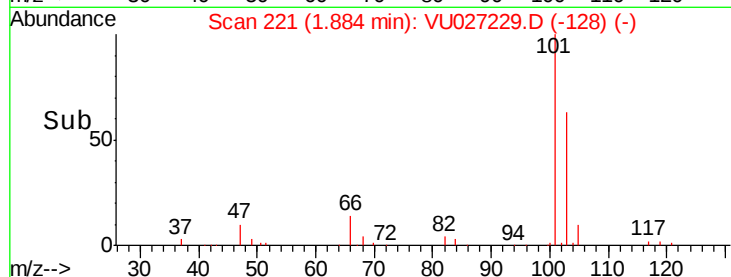
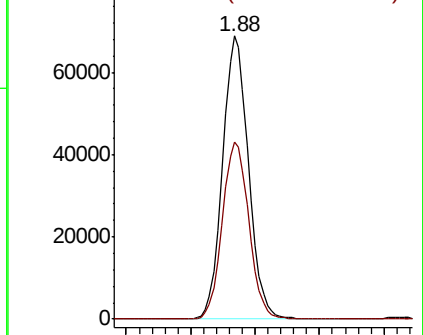
Trichlorofluoromethane
 Concen: 50.971 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Instrument :
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Tot Ion:101 Resp: 95590
 Ion Ratio Lower Upper
 101 100
 103 62.6 52.2 78.2



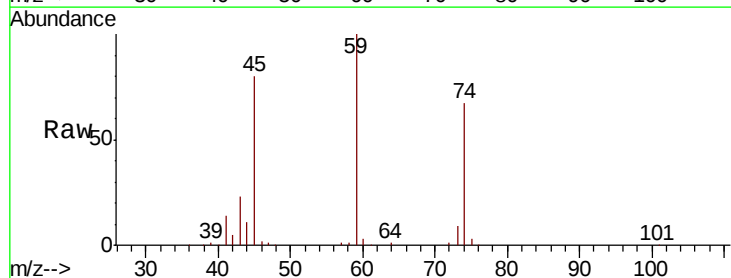
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



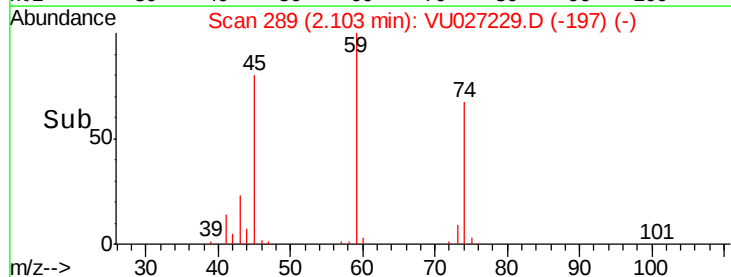
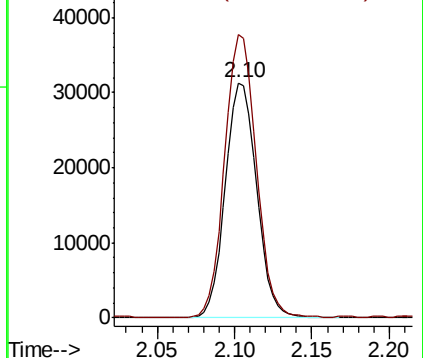
#8

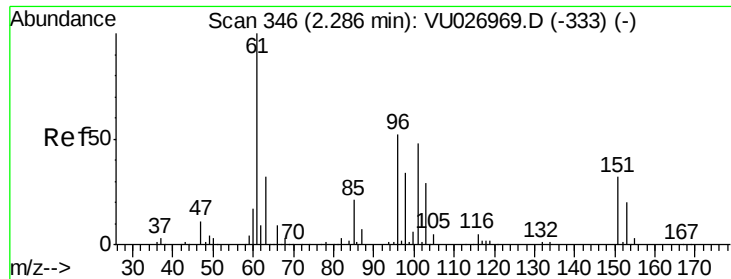
Diethyl Ether
 Concen: 48.728 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Tgt Ion: 74 Resp: 43986
 Ion Ratio Lower Upper
 74 100
 45 121.7 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VU0
 Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.043 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

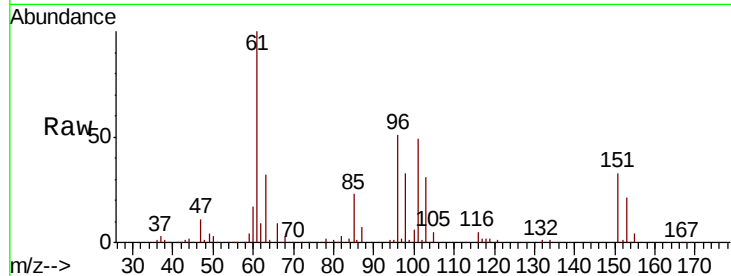
Tot Ion:101 Resp: 55399

Ion Ratio Lower Upper

101 100

85 46.3 36.2 54.2

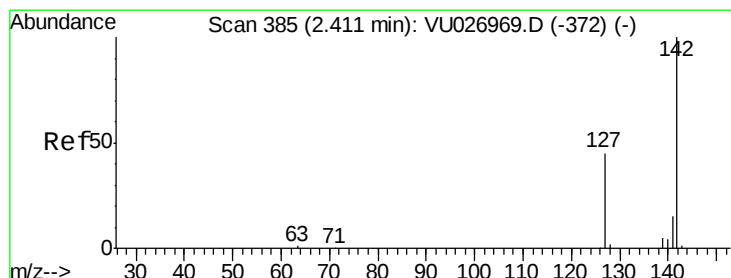
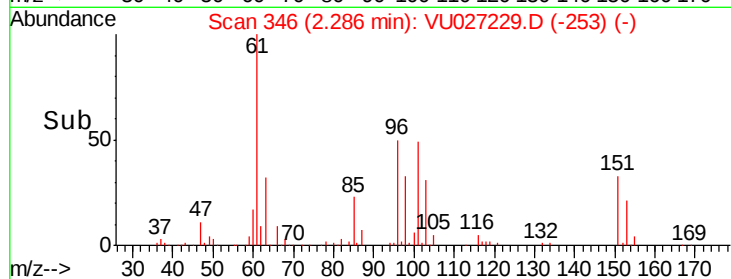
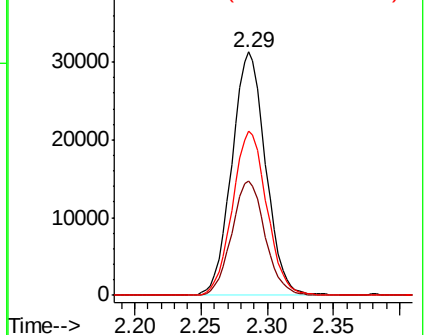
151 68.6 54.5 81.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.309 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

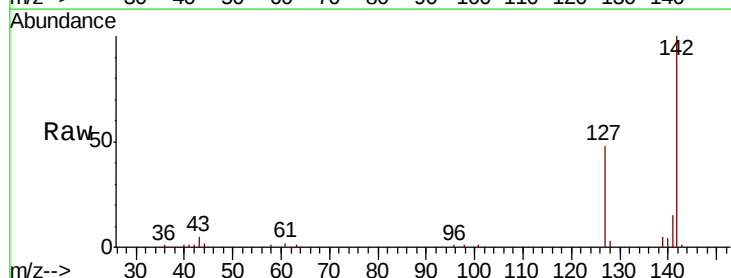
Tgt Ion:142 Resp: 29044

Ion Ratio Lower Upper

142 100

127 46.4 36.7 55.1

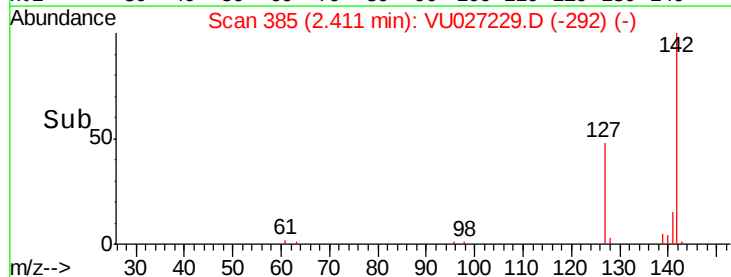
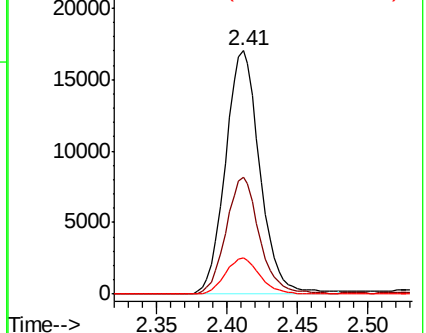
141 14.8 11.8 17.6

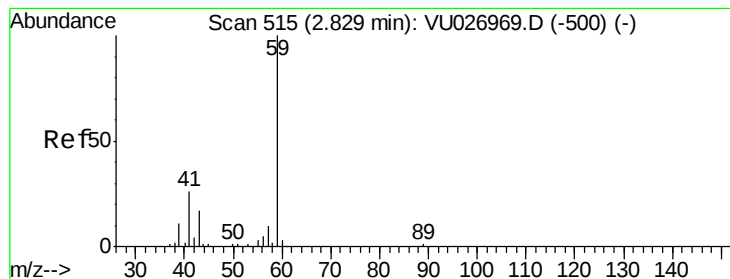


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



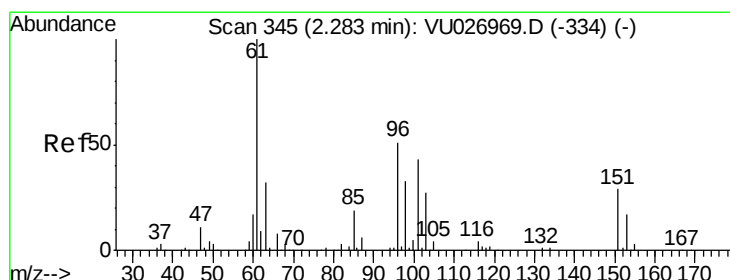
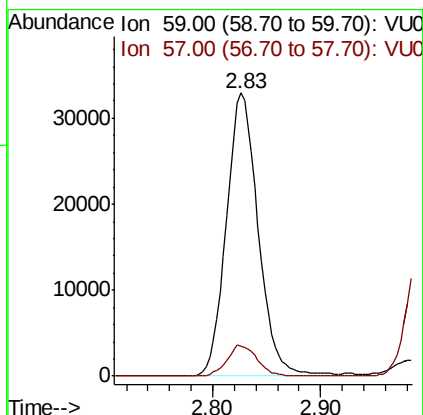
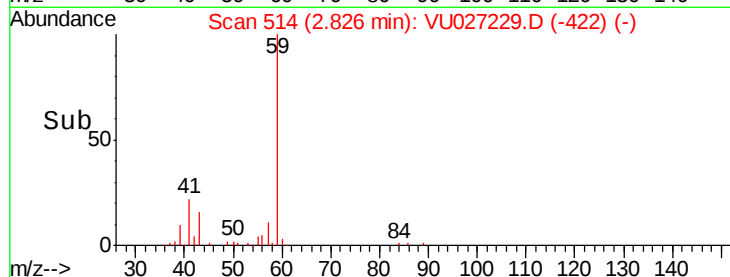
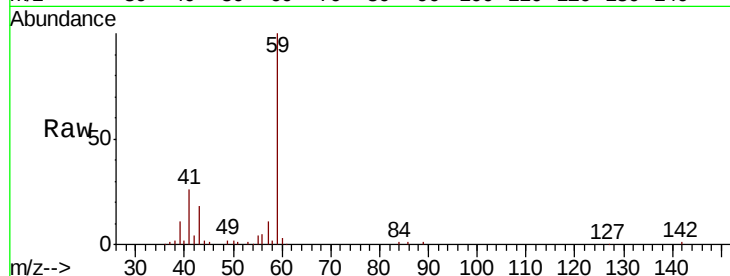


#11

Tert butyl alcohol
Concen: 187.254 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

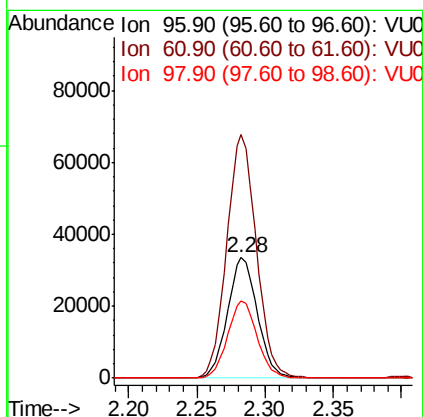
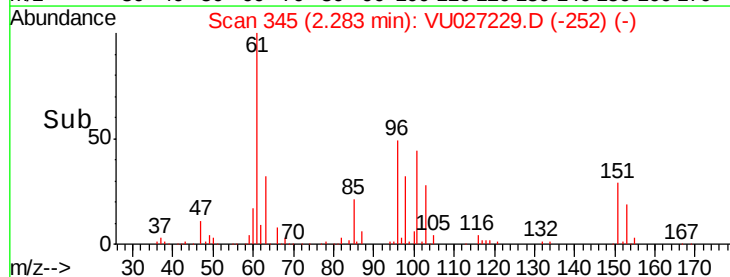
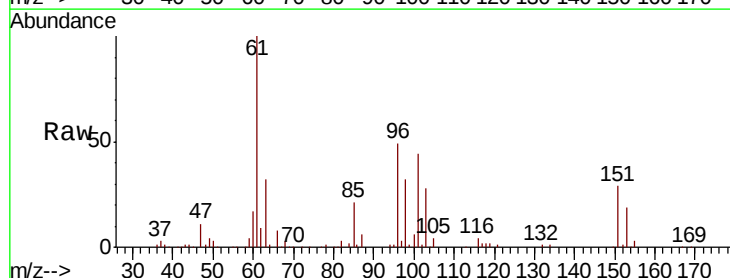
Tot Ion: 59 Resp: 67882
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7

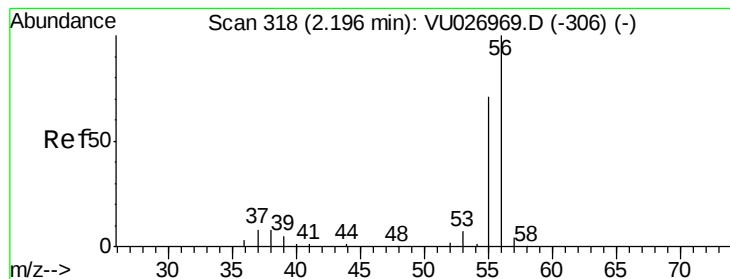


#12

1,1-Dichloroethene
Concen: 47.154 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Tgt Ion: 96 Resp: 51178
Ion Ratio Lower Upper
96 100
61 202.3 156.1 234.1
98 64.5 51.4 77.0





#13

Acrolein

Concen: 130.740 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

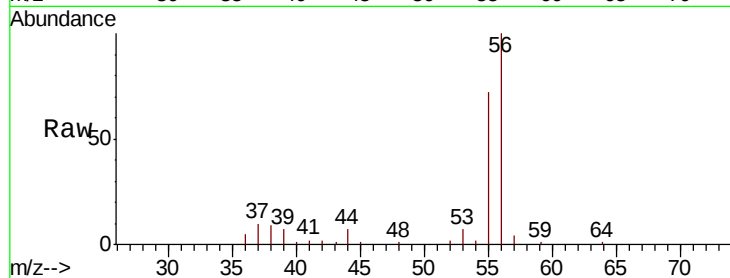
VSTDCCC050

Tot Ion: 56 Resp: 25549

Ion Ratio Lower Upper

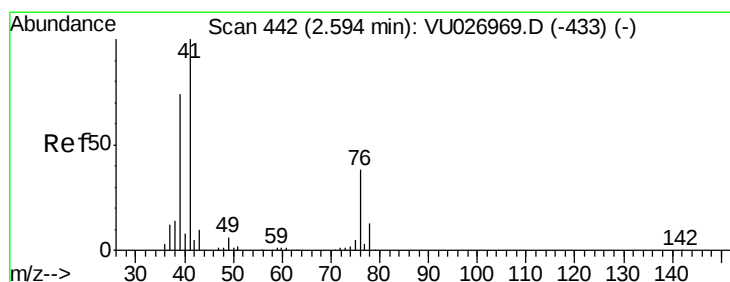
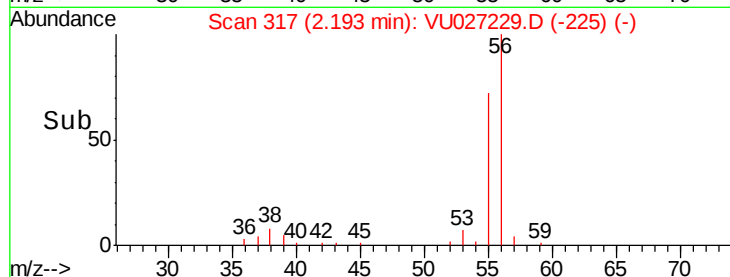
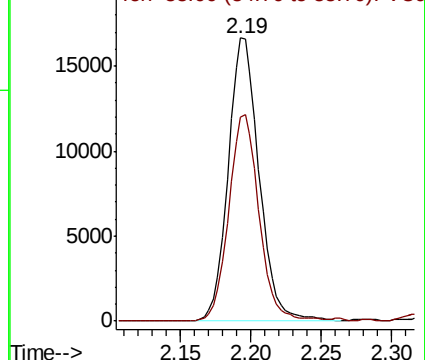
56 100

55 71.1 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 54.973 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

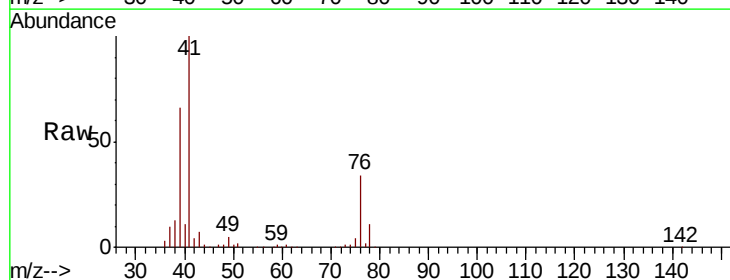
Tgt Ion: 41 Resp: 121012

Ion Ratio Lower Upper

41 100

39 67.4 55.7 83.5

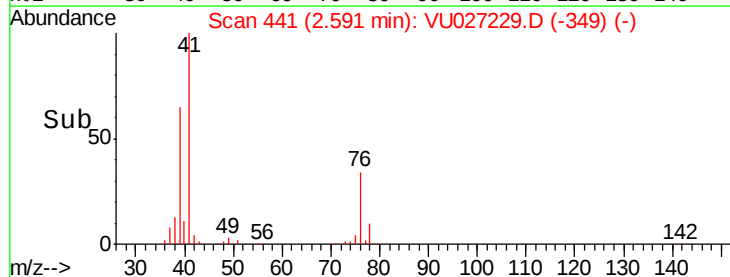
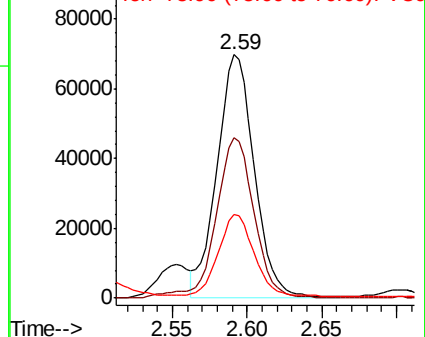
76 32.9 26.5 39.7

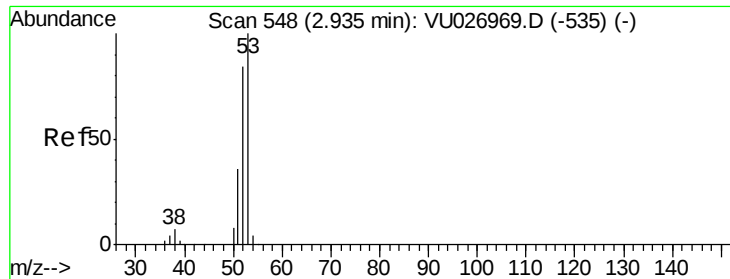


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



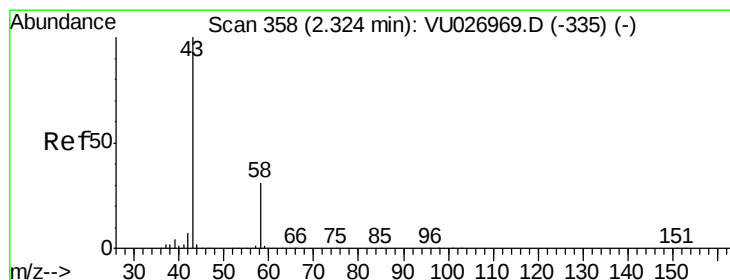
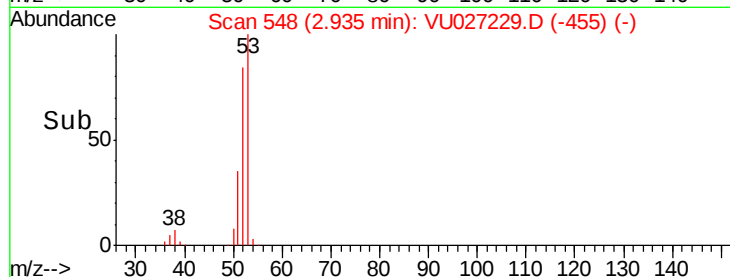
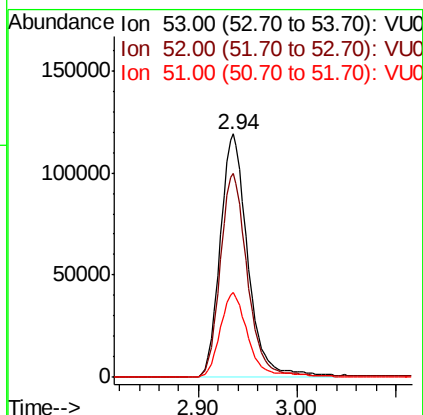
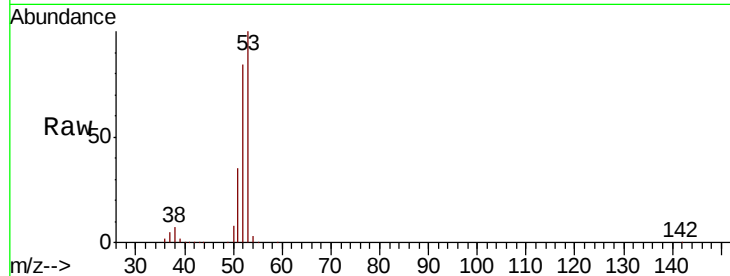


#15
 Acrylonitrile
 Concen: 256.296 ug/l
 RT: 2.94 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 53 Resp: 234170

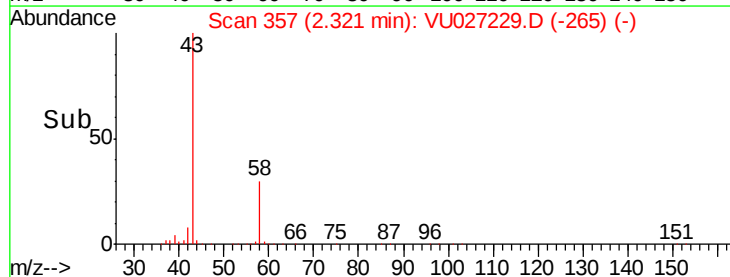
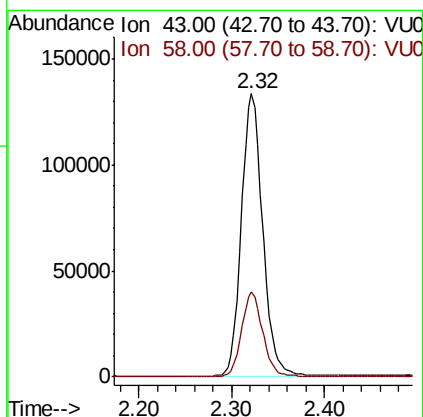
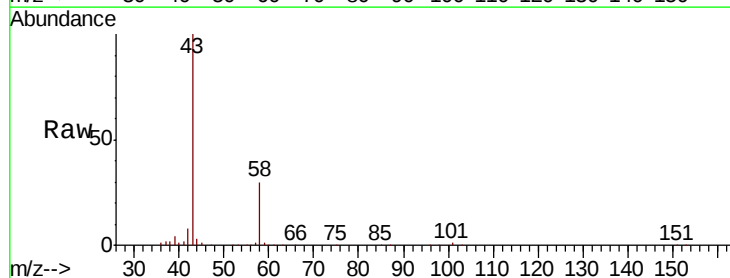
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	35.6	27.4	41.2

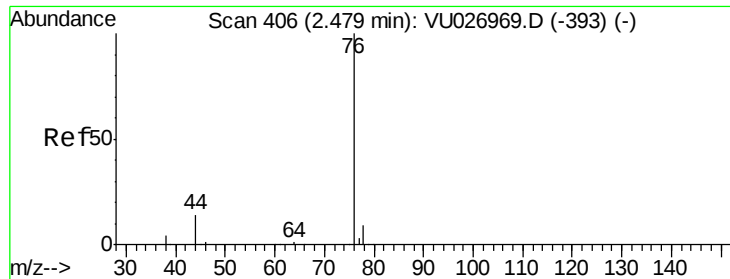


#16
 Acetone
 Concen: 256.292 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Tgt Ion: 43 Resp: 214967

Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.6	36.8

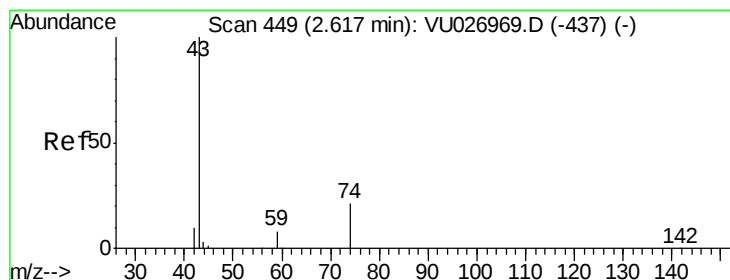
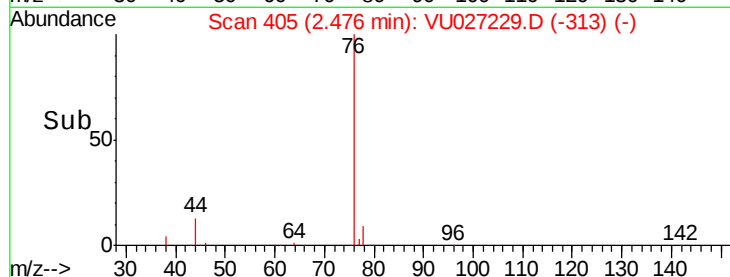
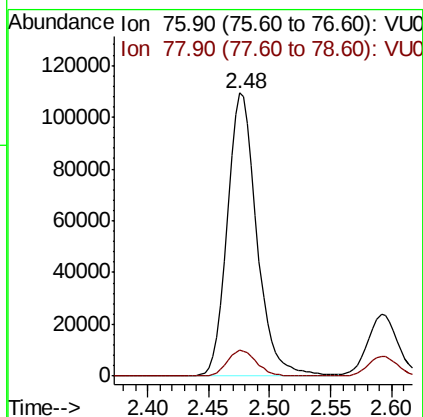
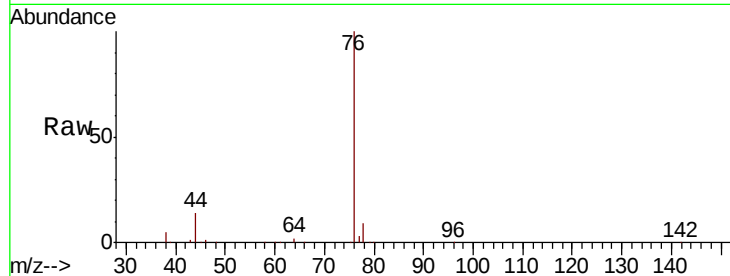




#17
Carbon Disulfide
Concen: 52.505 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

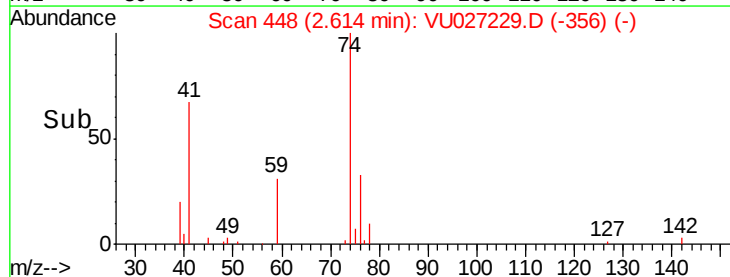
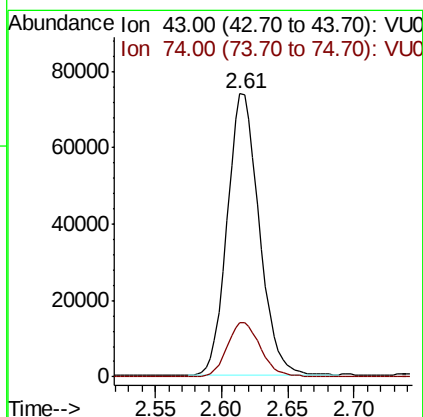
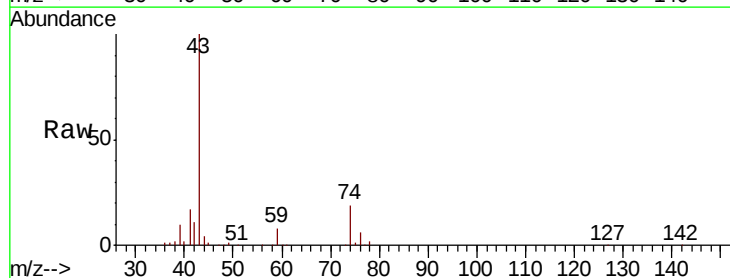
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

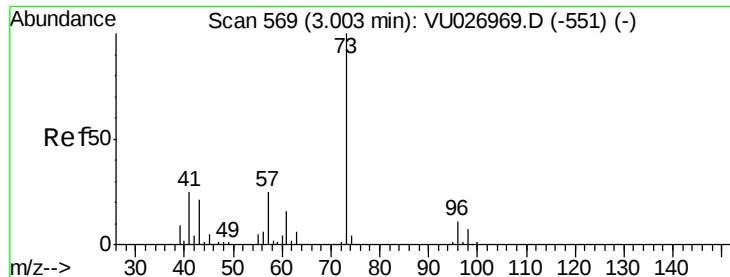
Tot Ion: 76 Resp: 185641
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 55.224 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Tgt Ion: 43 Resp: 124316
Ion Ratio Lower Upper
43 100
74 20.2 16.6 25.0

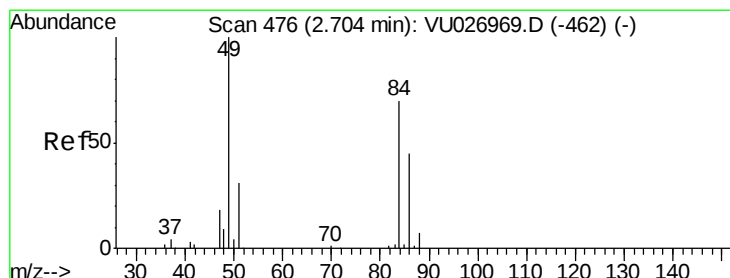
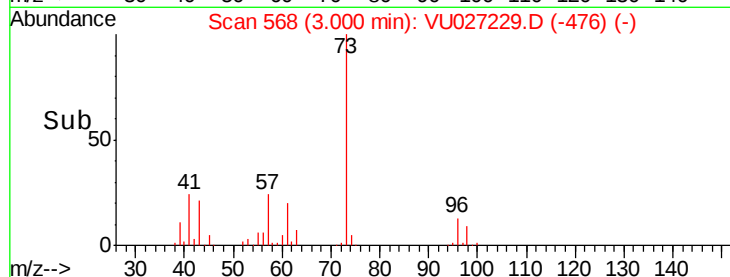
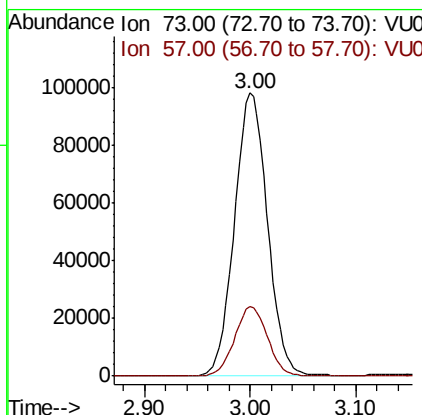
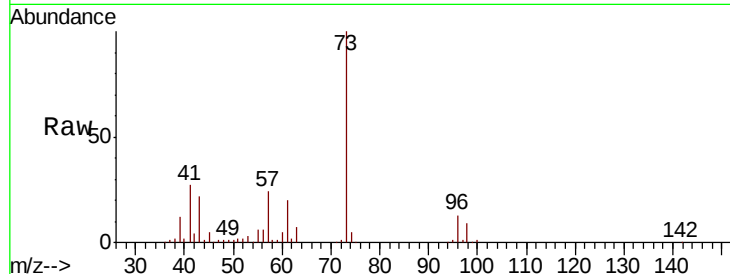




#19
Methvl tert-butvl Ether
Concen: 53.447 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

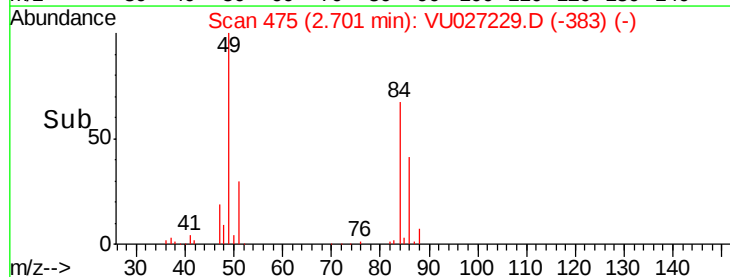
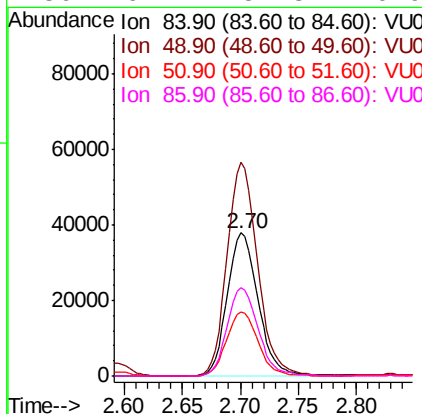
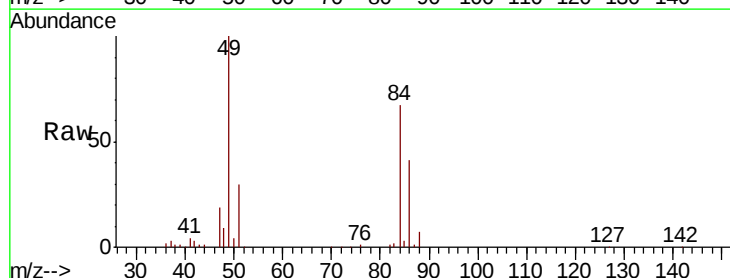
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

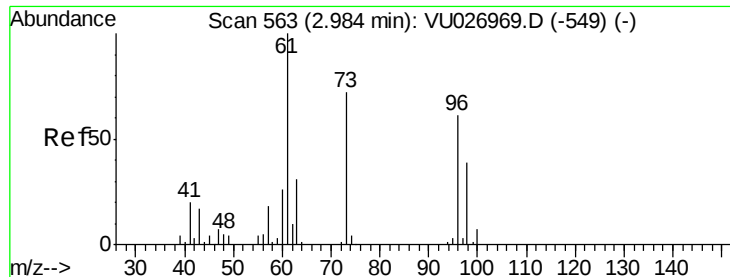
Tot Ion: 73 Resp: 213167
Ion Ratio Lower Upper
73 100
57 24.5 19.8 29.6



#20
Methylene Chloride
Concen: 49.151 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Tgt Ion: 84 Resp: 69619
Ion Ratio Lower Upper
84 100
49 149.3 114.9 172.3
51 45.1 35.8 53.8
86 61.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 54.020 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

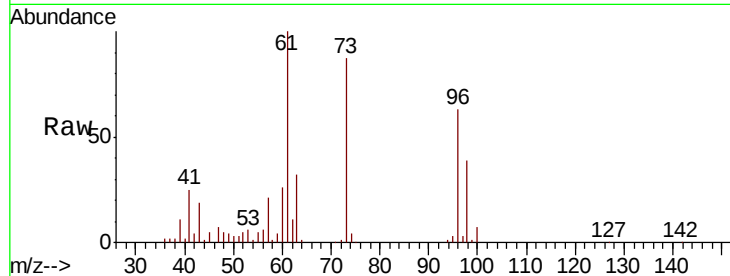
Tot Ion: 96 Resp: 62597

Ion Ratio Lower Upper

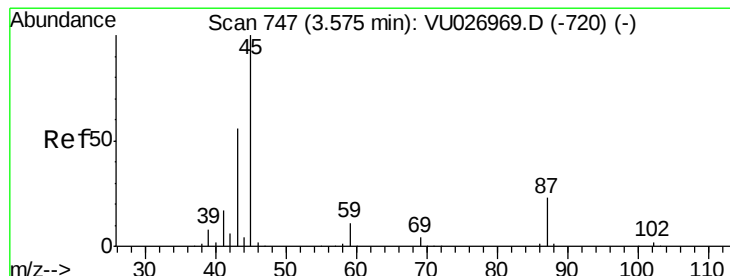
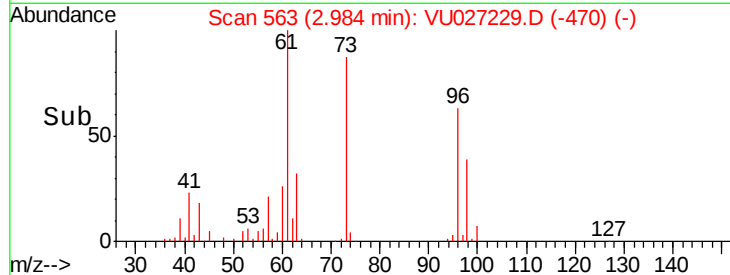
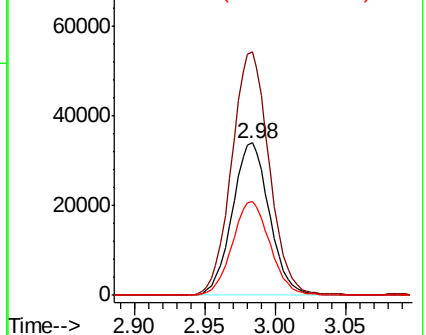
96 100

61 159.6 131.8 197.6

98 61.6 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 56.300 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Tgt Ion: 45 Resp: 265082

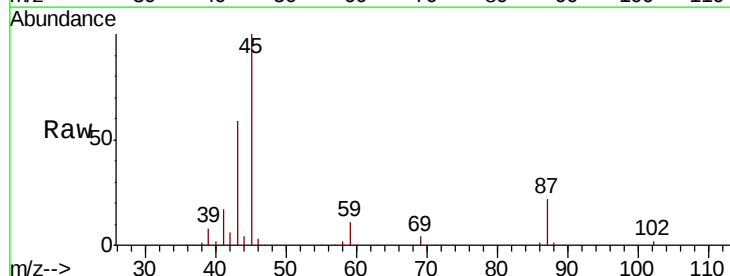
Ion Ratio Lower Upper

45 100

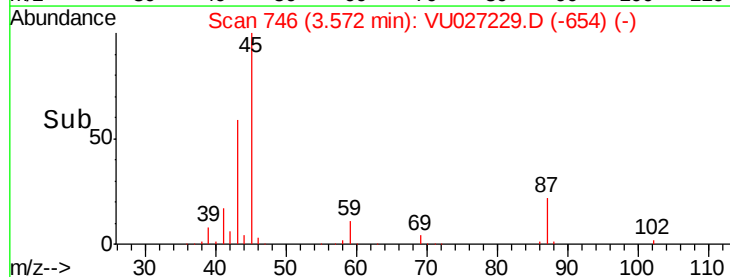
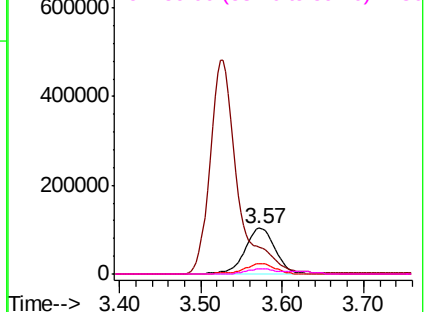
43 56.5 45.8 68.6

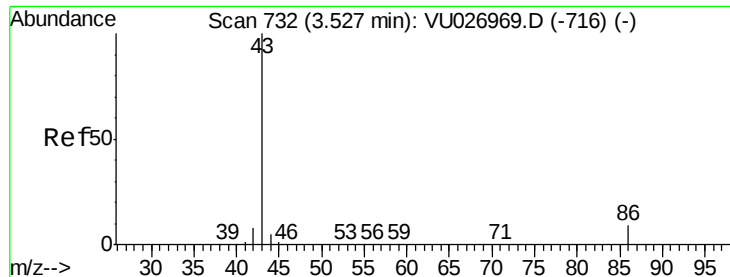
87 22.2 18.6 28.0

59 11.0 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 284.249 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

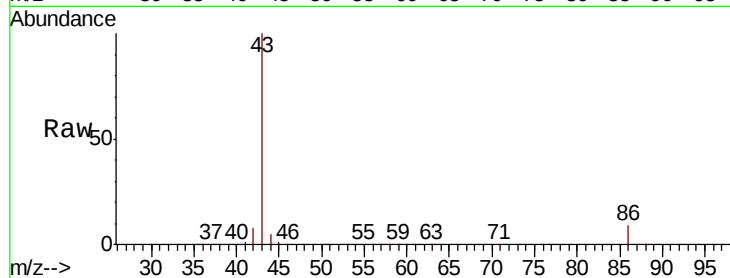
VSTDCCC050

Tot Ion: 43 Resp: 1140852

Ion Ratio Lower Upper

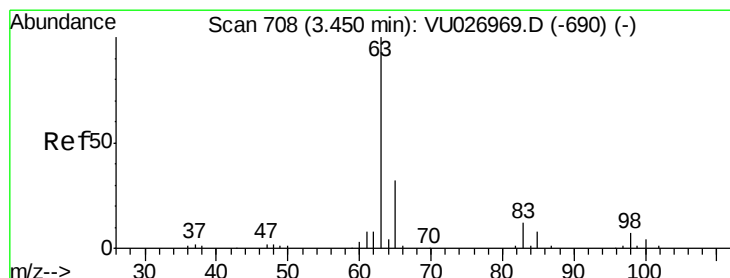
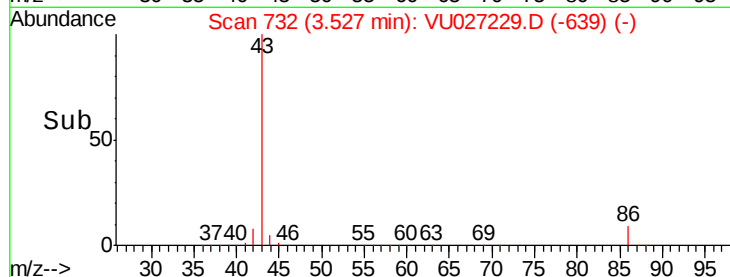
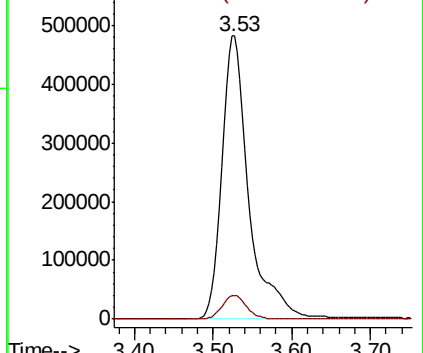
43 100

86 8.5 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 53.085 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

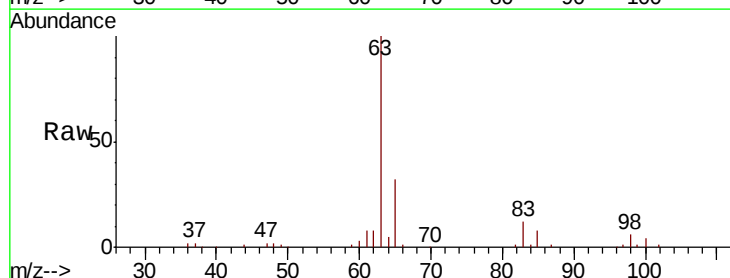
Tgt Ion: 63 Resp: 137660

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

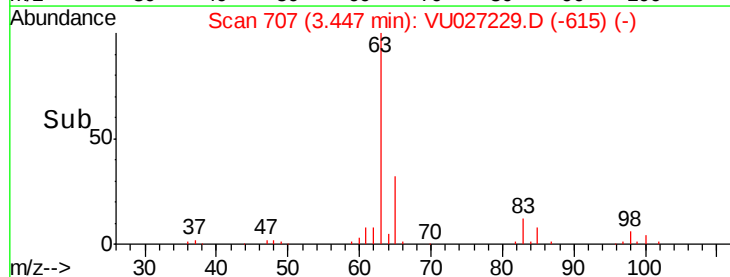
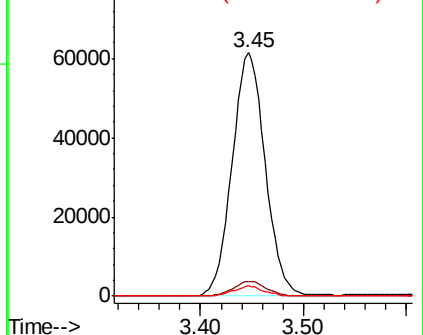
100 4.1 2.0 5.8

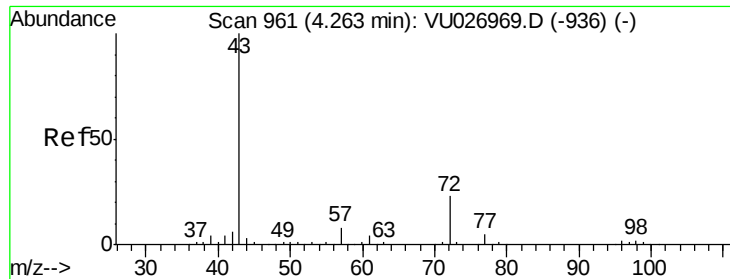


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 249.999 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

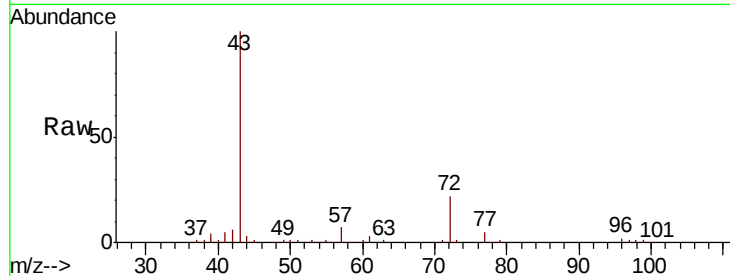
VSTDCCC050

Tot Ion: 43 Resp: 332286

Ion Ratio Lower Upper

43 100

72 22.4 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

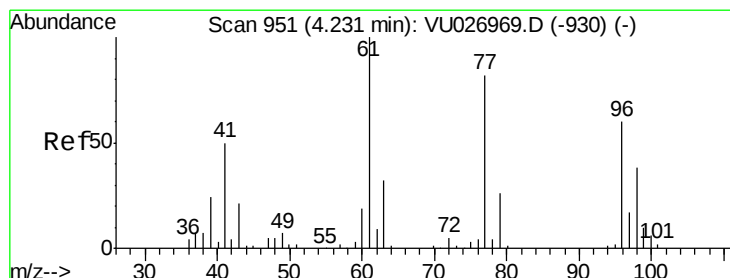
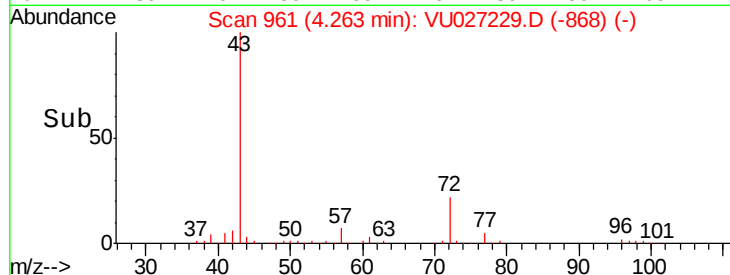
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 53.611 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027229.D

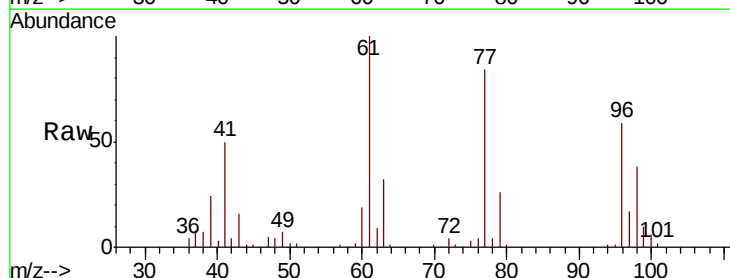
Acq: 27 Sep 2018 16:58

Tgt Ion: 77 Resp: 108423

Ion Ratio Lower Upper

77 100

97 21.0 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

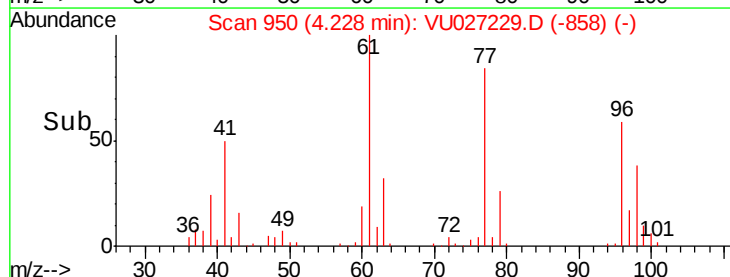
20000

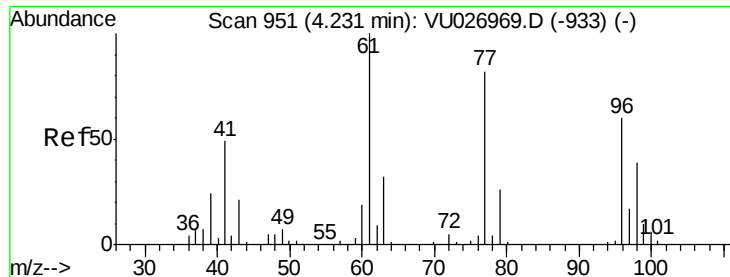
10000

0

4.10 4.20 4.30

Time-->



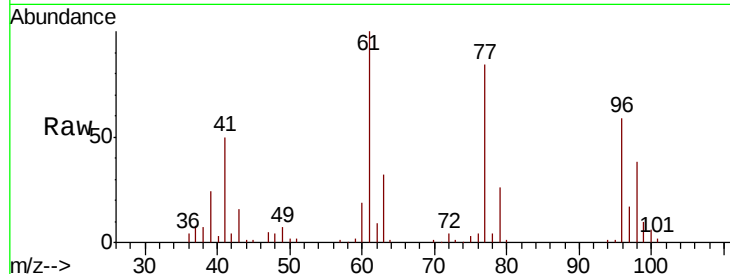


#27

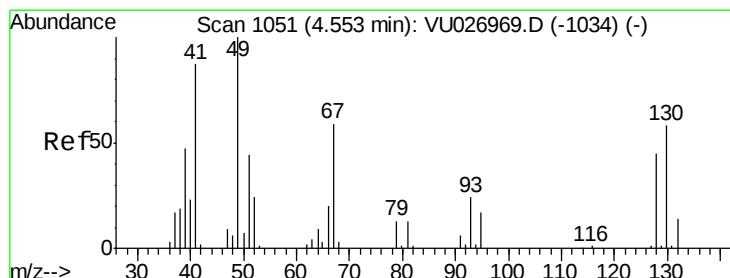
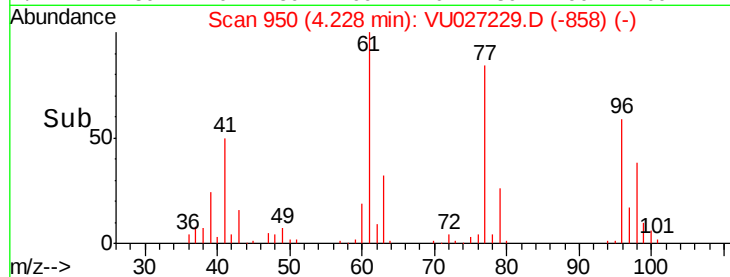
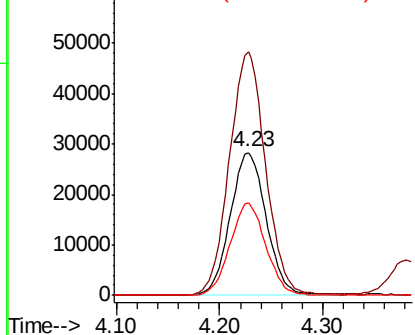
cis-1,2-Dichloroethene
 Concen: 52.538 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 68753
 Ion Ratio Lower Upper
 96 100
 61 171.2 0.0 337.2
 98 64.2 0.0 127.6



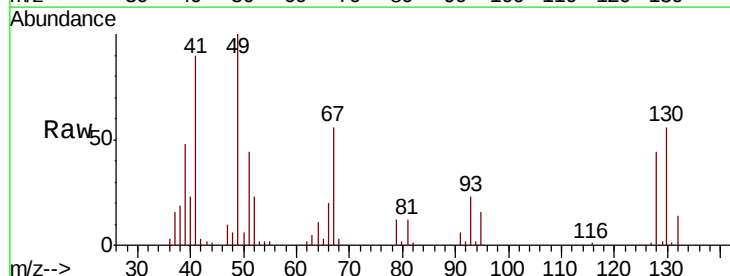
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



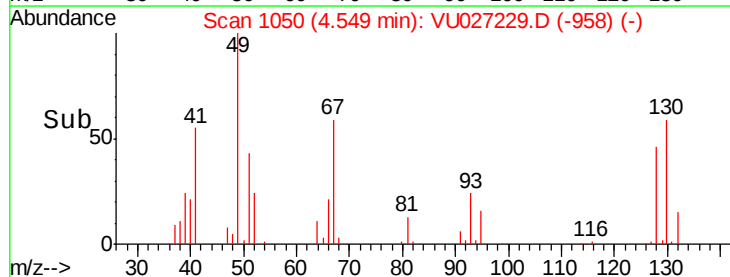
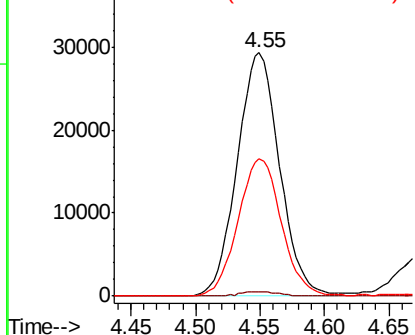
#28

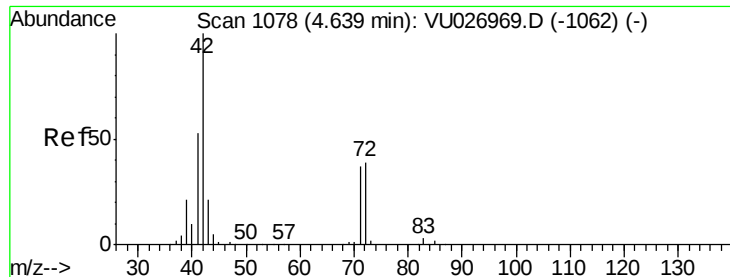
Bromochloromethane
 Concen: 53.682 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Tgt Ion: 49 Resp: 67105
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.0
 130 57.7 47.8 71.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

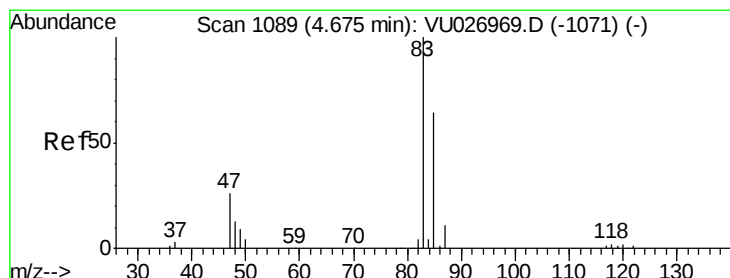
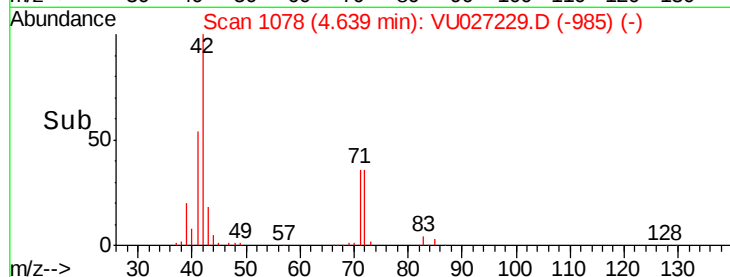
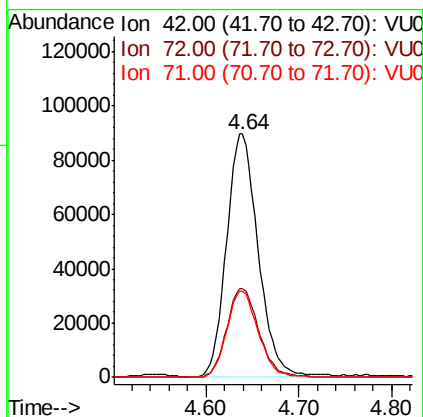
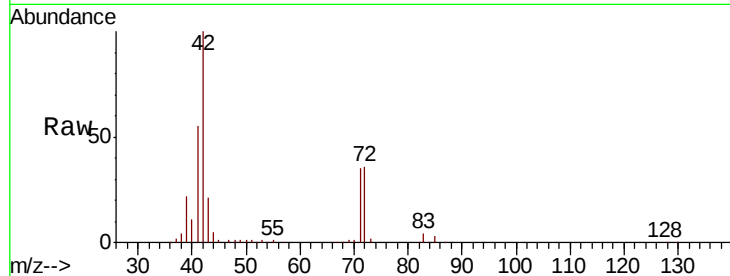




#29
Tetrahydrofuran
Concen: 263.568 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

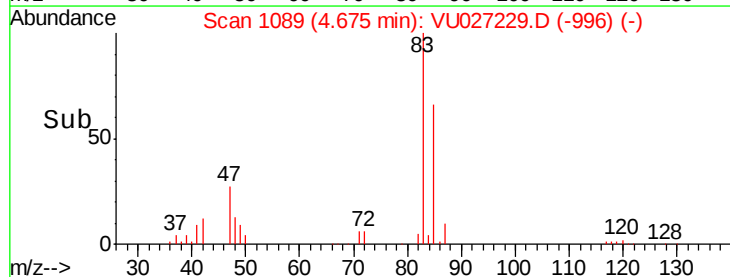
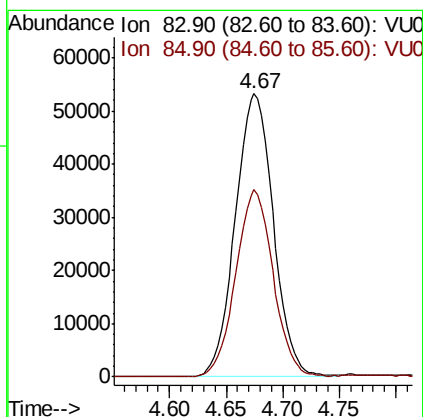
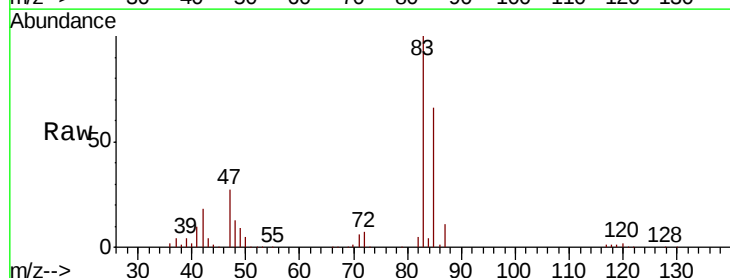
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

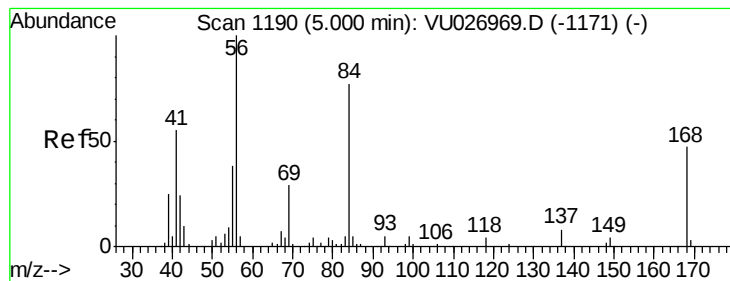
Tot Ion: 42 Resp: 211921
Ion Ratio Lower Upper
42 100
72 37.5 31.7 47.5
71 35.3 29.6 44.4



#30
Chloroform
Concen: 51.923 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Tgt Ion: 83 Resp: 124984
Ion Ratio Lower Upper
83 100
85 66.2 51.5 77.3





#31

Cyclohexane

Concen: 53.338 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

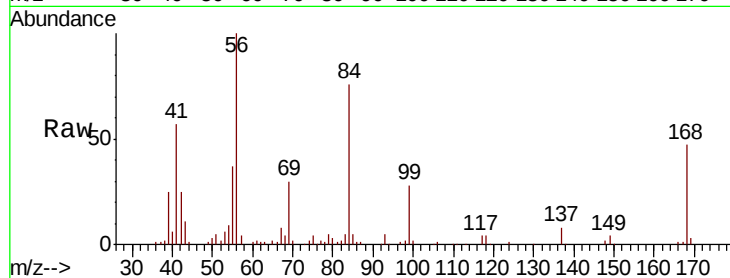
Tot Ion: 56 Resp: 125642

Ion Ratio Lower Upper

56 100

69 30.4 23.0 34.4

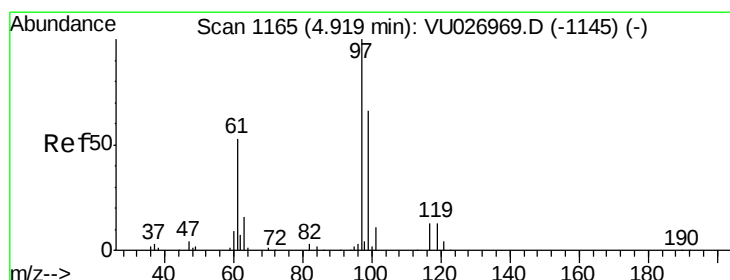
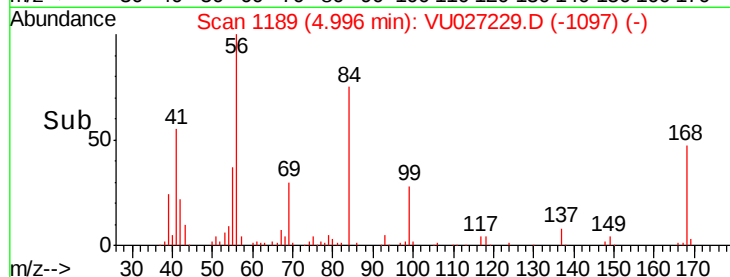
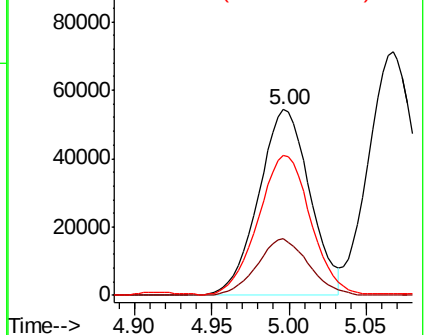
84 74.9 61.4 92.2



Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

Ion 69.00 (68.70 to 69.70): VU026969.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU026969.D (-1171) (-)



#32

1,1,1-Trichloroethane

Concen: 53.307 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

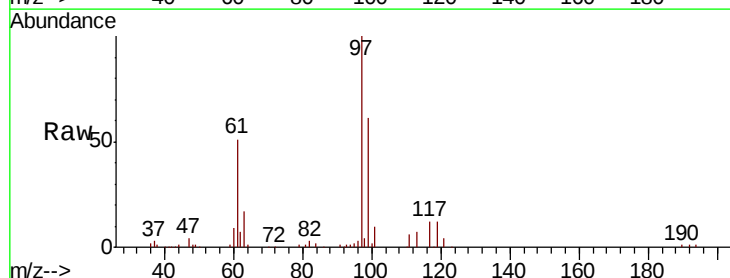
Tgt Ion: 97 Resp: 102450

Ion Ratio Lower Upper

97 100

99 62.9 51.8 77.6

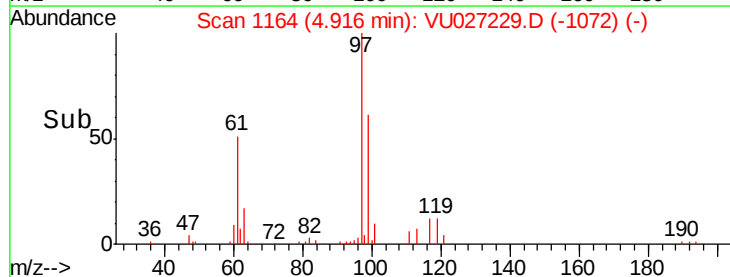
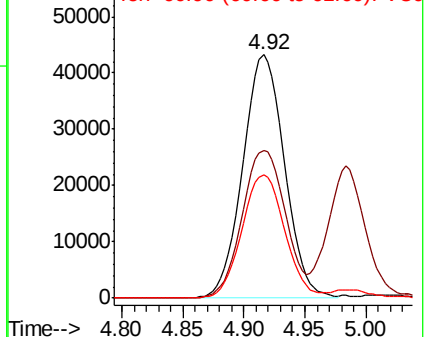
61 52.0 41.1 61.7

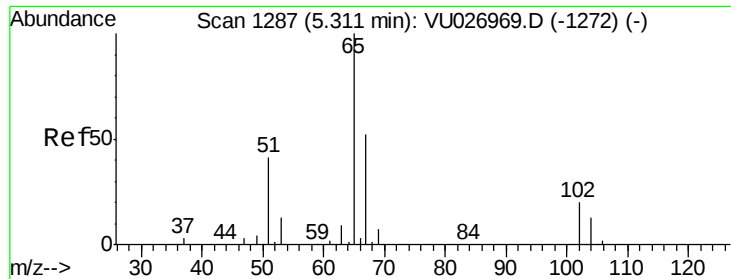


Abundance Ion 96.90 (96.60 to 97.60): VU026969.D (-1145) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1145) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-1145) (-)

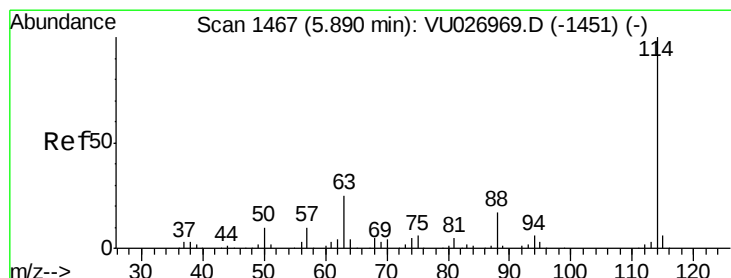
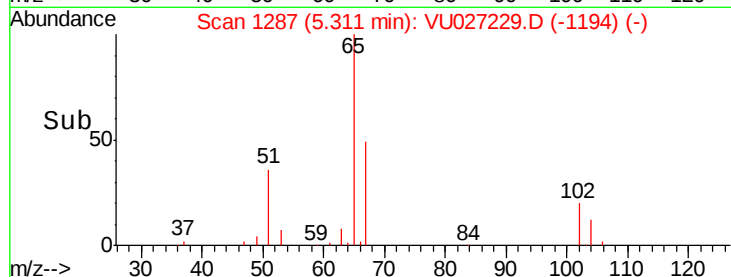
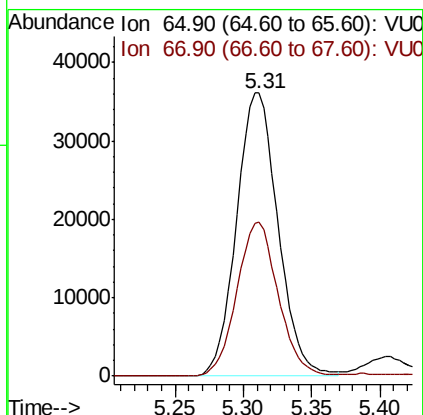
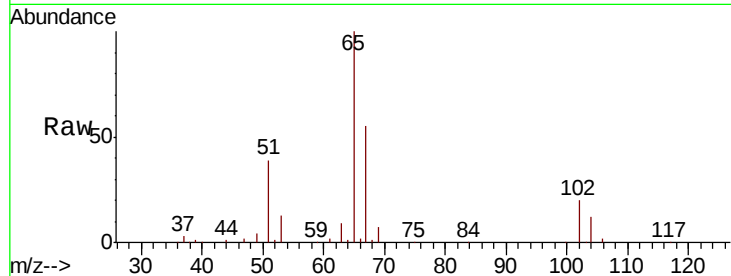




#33
 1,2-Dichloroethane-d4
 Concen: 48.220 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

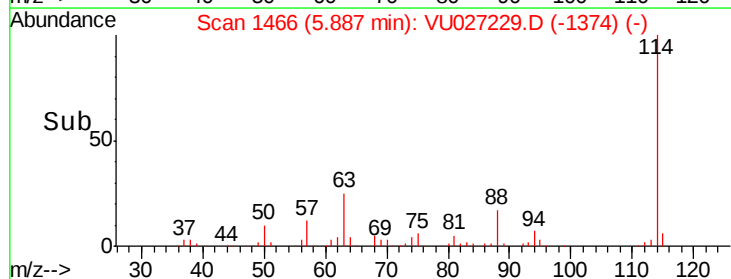
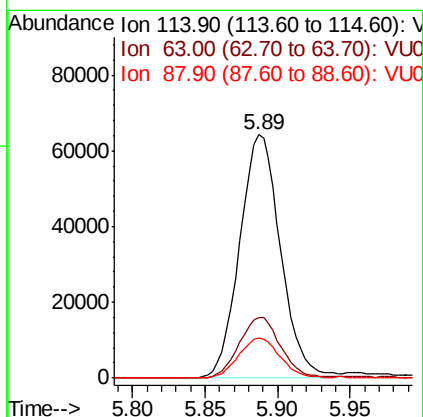
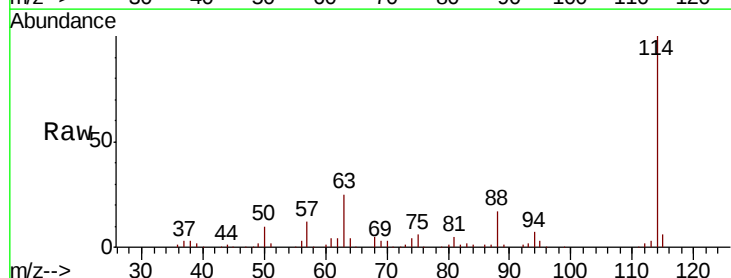
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

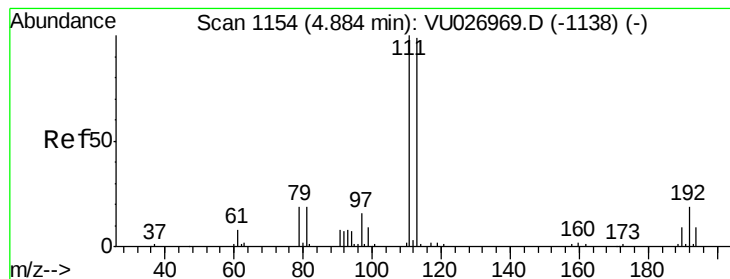
Tot Ion: 65 Resp: 76264
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Tgt Ion: 114 Resp: 125996
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.766 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

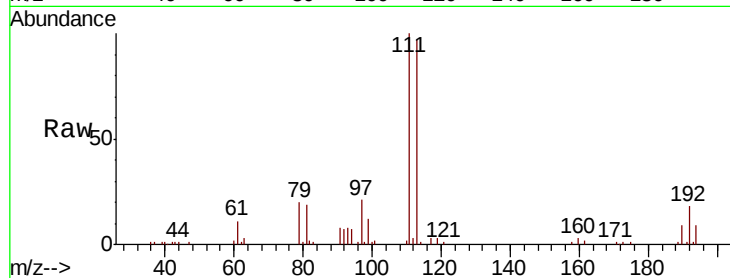
Tot Ion:113 Resp: 55443

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

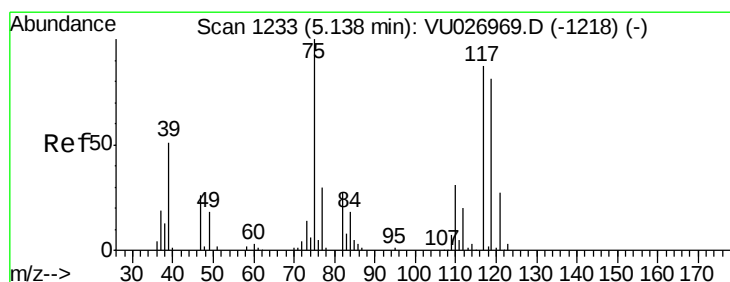
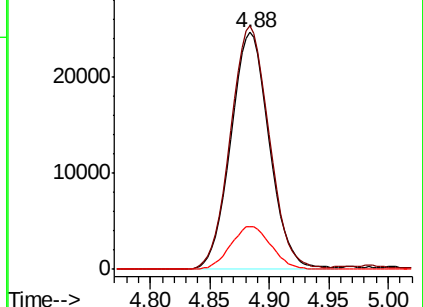
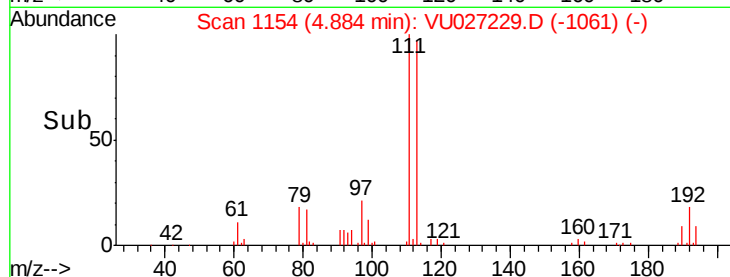
192 18.9 15.2 22.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 56.214 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

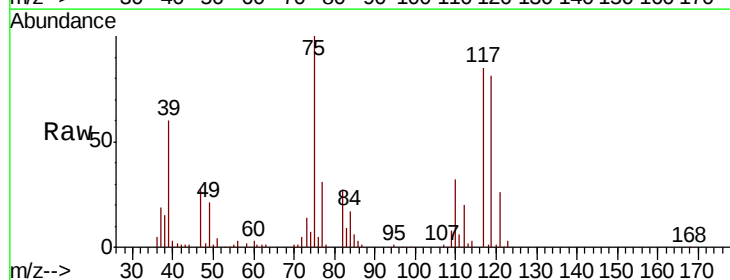
Tgt Ion: 75 Resp: 94527

Ion Ratio Lower Upper

75 100

110 31.4 16.1 48.2

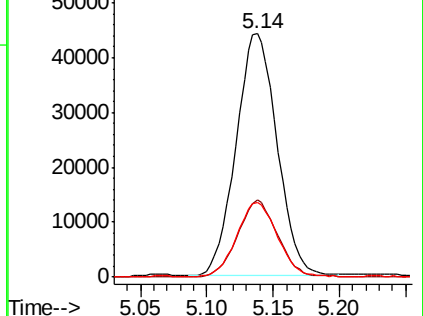
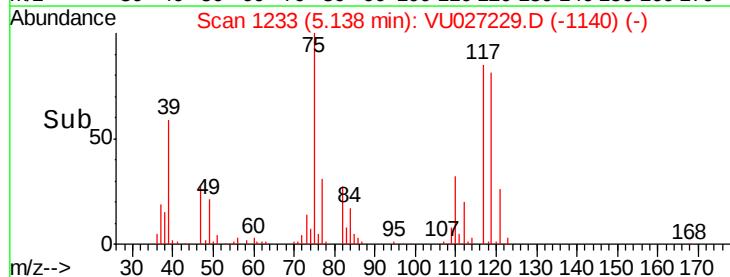
77 30.6 24.6 36.8

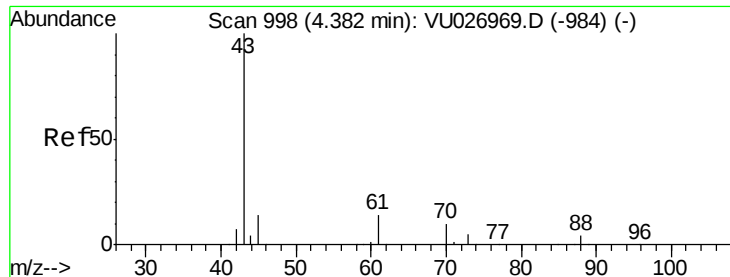


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 53.794 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

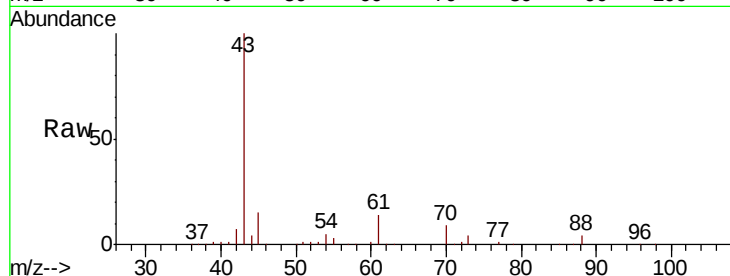
Tot Ion: 43 Resp: 122457

Ion Ratio Lower Upper

43 100

61 13.4 10.5 15.7

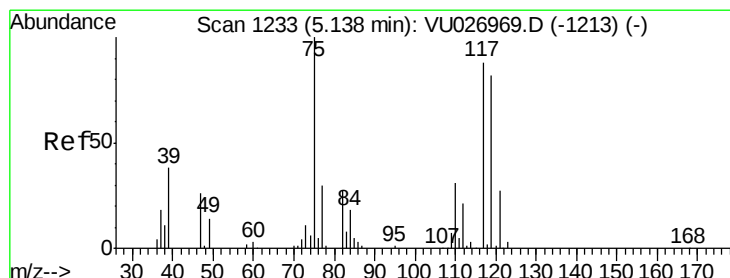
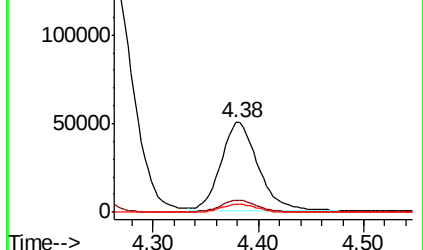
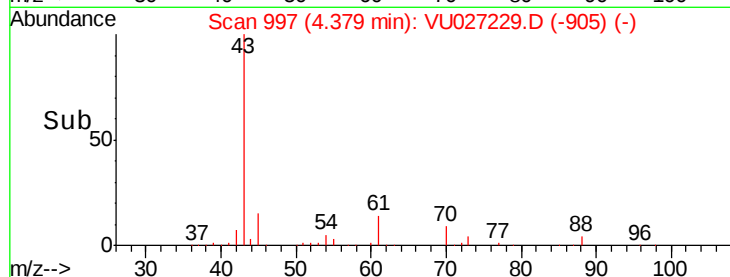
70 8.9 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VU027229.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU027229.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU027229.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 54.680 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

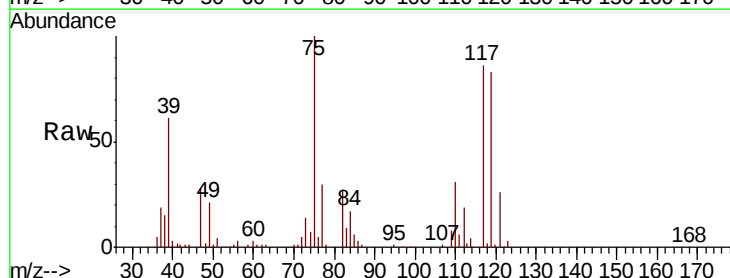
Tgt Ion: 117 Resp: 87501

Ion Ratio Lower Upper

117 100

119 96.4 74.4 111.6

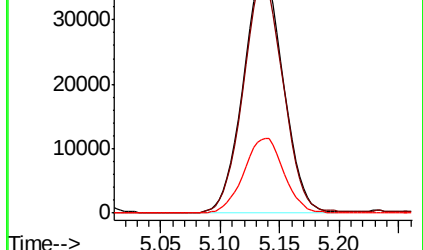
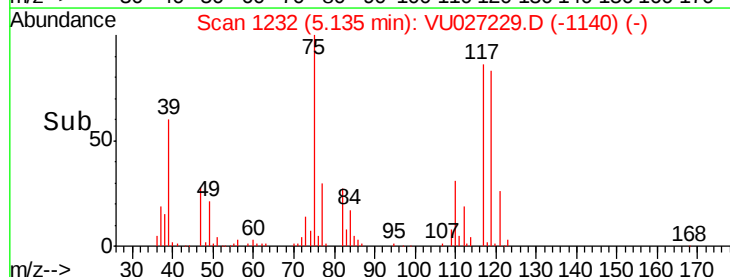
121 30.1 24.2 36.4

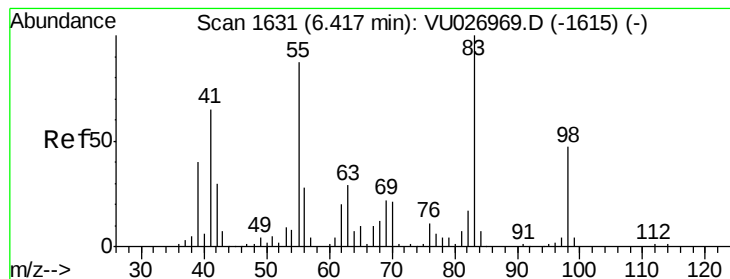


Abundance Ion 116.80 (116.50 to 117.50): VU027229.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU027229.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU027229.D (-1140) (-)





#39

Methvlcvclohexane

Concen: 59.279 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

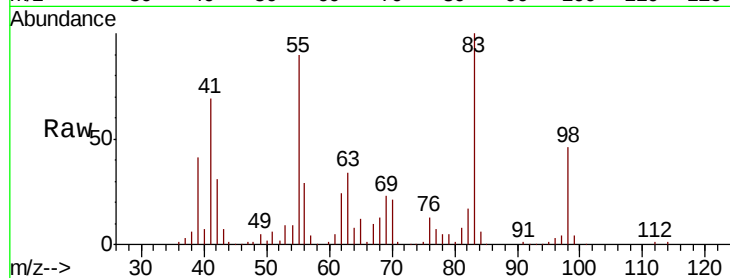
Tot Ion: 83 Resp: 108326

Ion Ratio Lower Upper

83 100

55 90.3 69.9 104.9

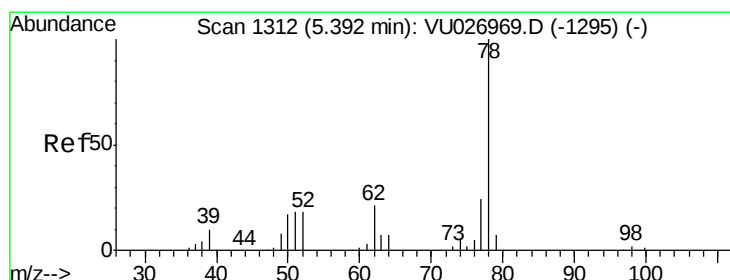
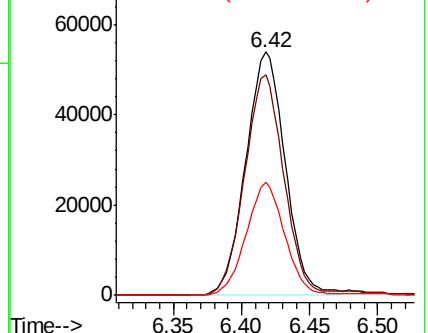
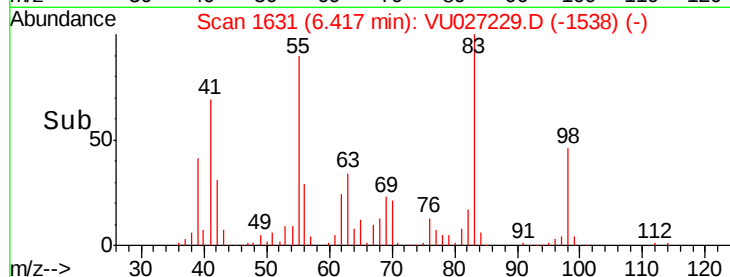
98 46.3 37.5 56.3



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#40

Benzene

Concen: 54.971 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU027229.D

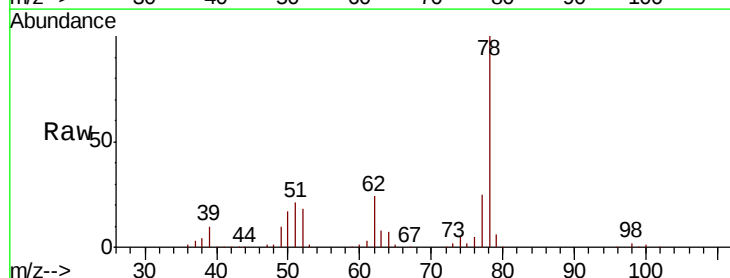
Acq: 27 Sep 2018 16:58

Tgt Ion: 78 Resp: 281004

Ion Ratio Lower Upper

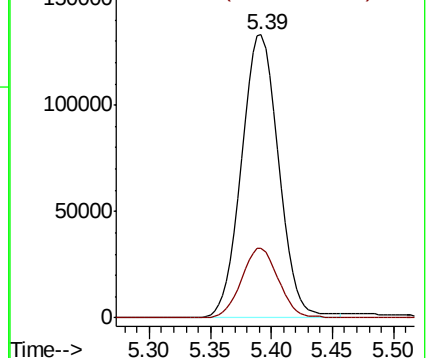
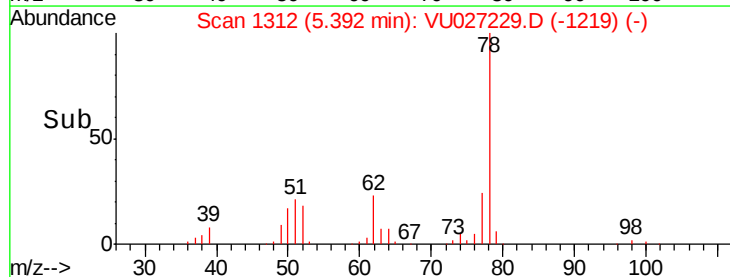
78 100

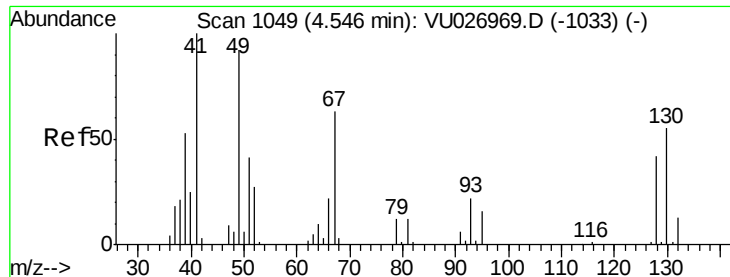
77 24.6 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

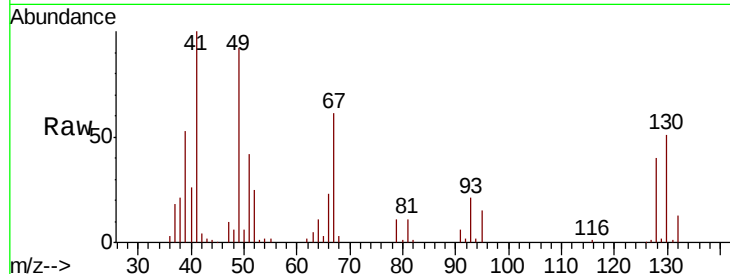




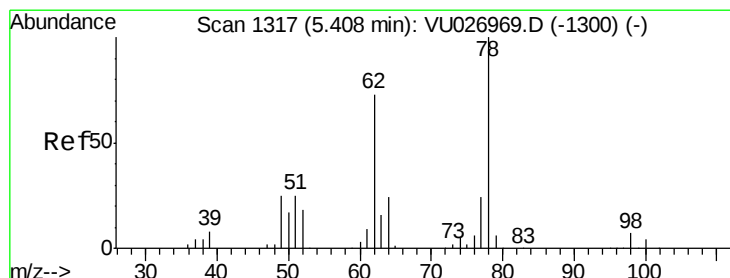
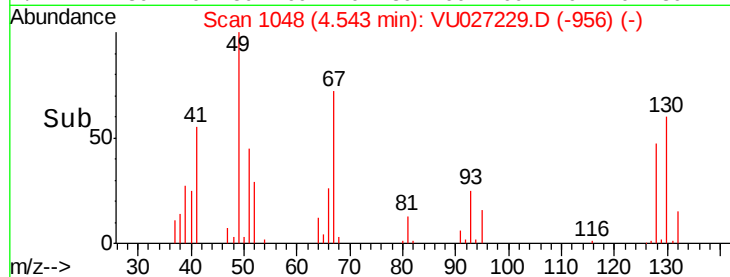
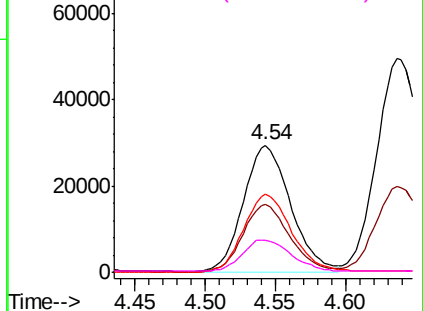
#41
Methacrylonitrile
Concen: 57.818 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	68354
Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.9	64.3
67	63.3	52.4	78.6
52	25.9	21.3	31.9

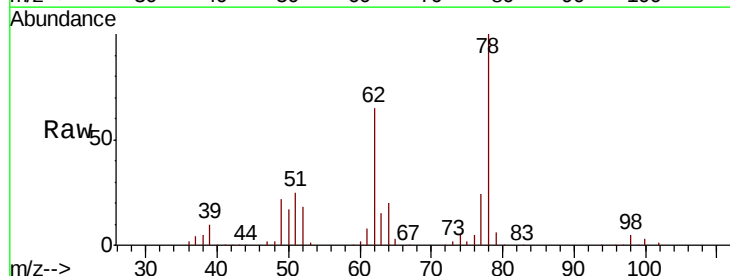


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

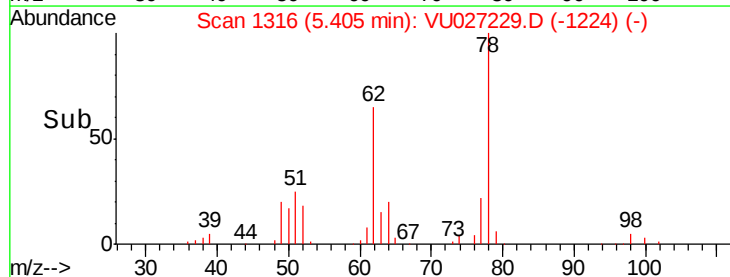
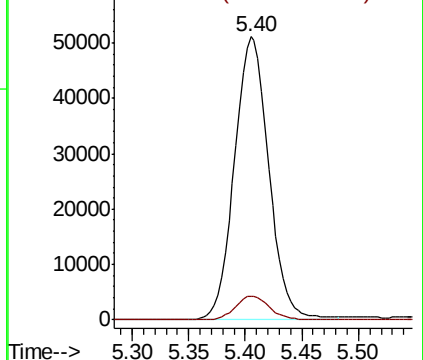


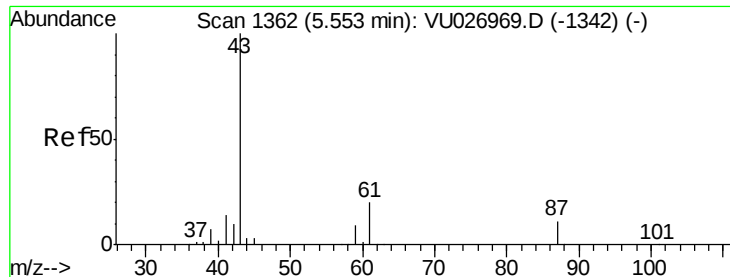
#42
1,2-Dichloroethane
Concen: 56.045 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Tgt Ion:	62	Resp:	108244
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 56.152 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

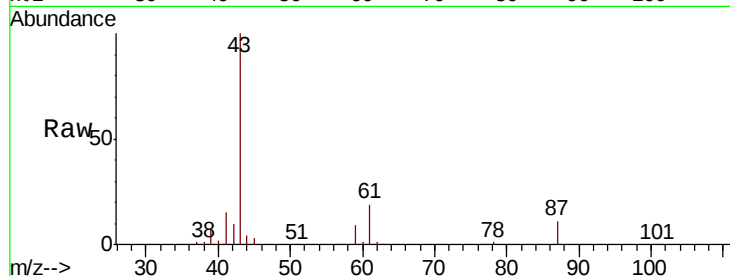
Tot Ion: 43 Resp: 186415

Ion Ratio Lower Upper

43 100

61 18.8 15.7 23.5

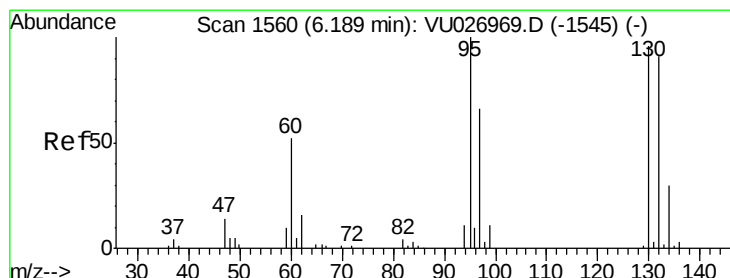
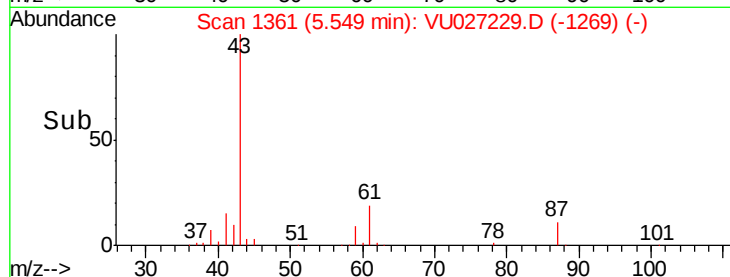
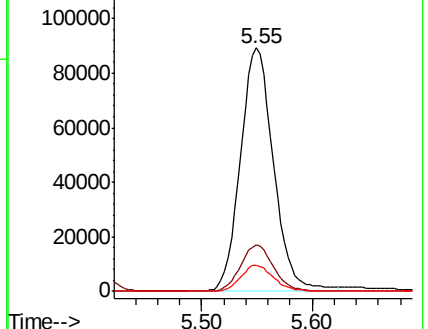
87 10.4 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU026969.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-1342) (-)



#44

Trichloroethene

Concen: 55.290 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027229.D

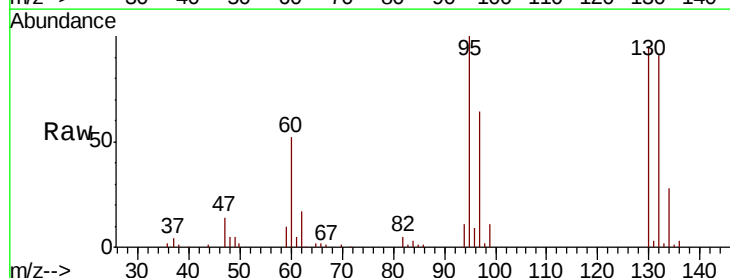
Acq: 27 Sep 2018 16:58

Tgt Ion:130 Resp: 60171

Ion Ratio Lower Upper

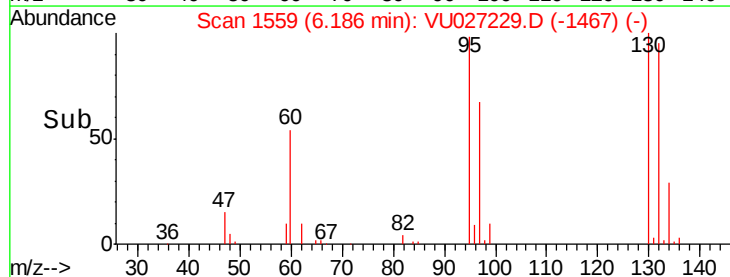
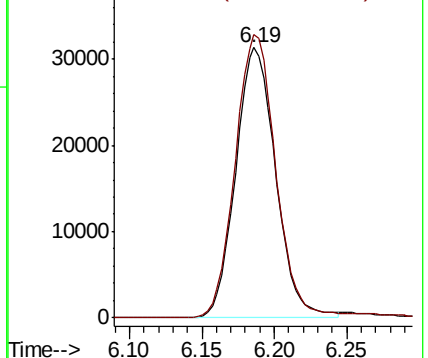
130 100

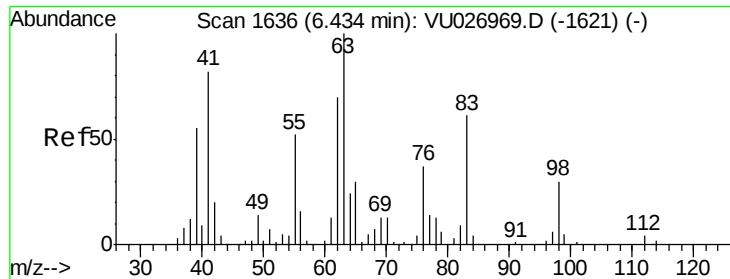
95 104.7 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU026969.D (-1545) (-)

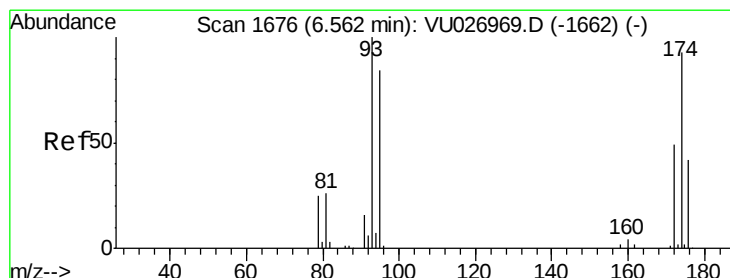
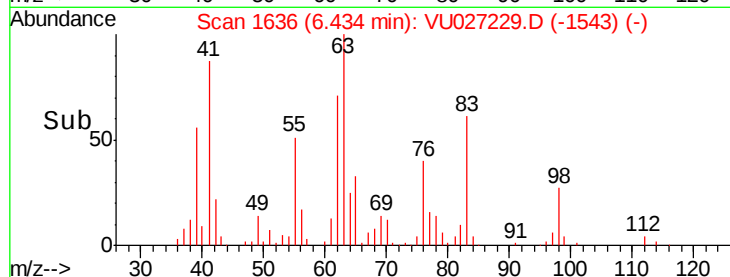
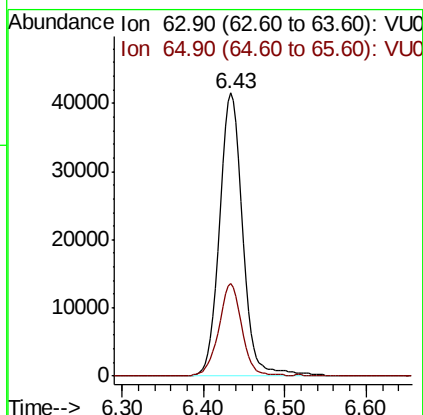
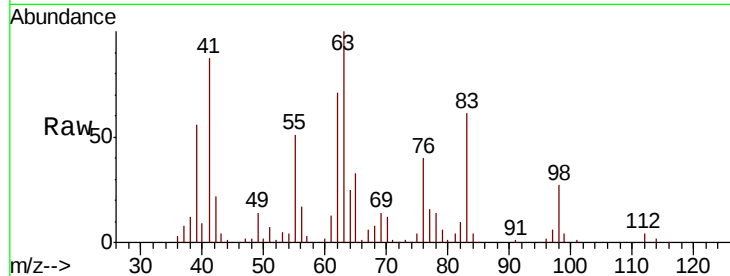




#45
 1,2-Dichloropropane
 Concen: 57.680 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

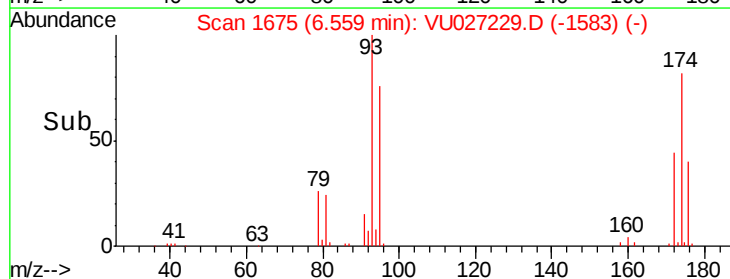
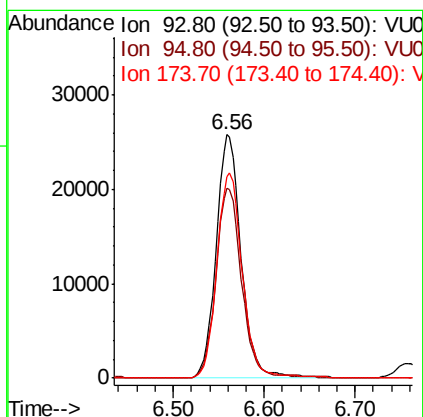
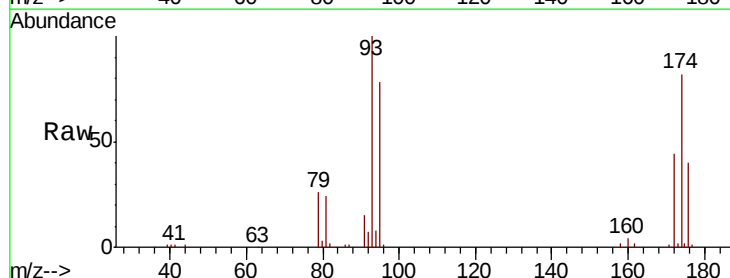
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

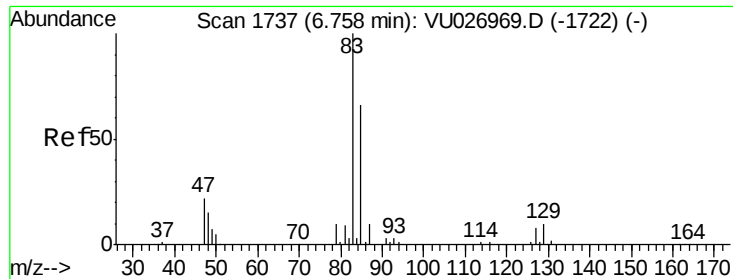
Tot Ion: 63 Resp: 84014
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.3 36.5



#46
 Dibromomethane
 Concen: 55.802 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Tgt Ion: 93 Resp: 49088
 Ion Ratio Lower Upper
 93 100
 95 80.5 66.2 99.4
 174 86.7 71.7 107.5

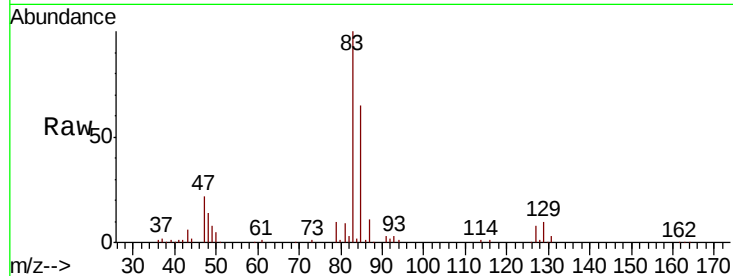




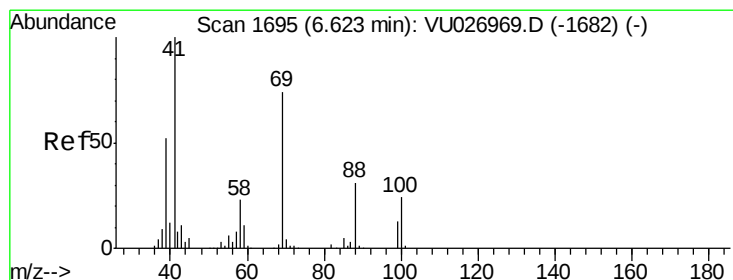
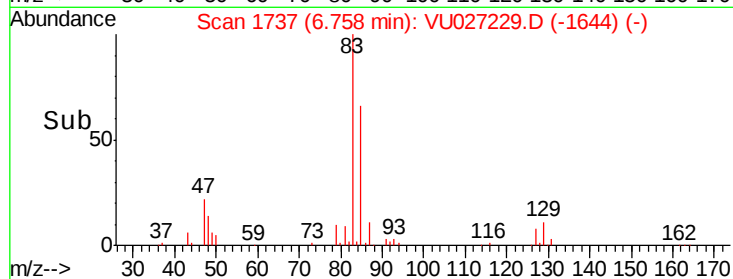
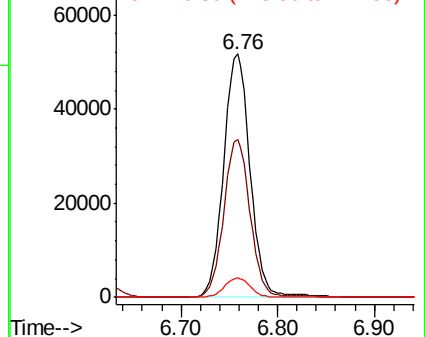
#47
 Bromodichloromethane
 Concen: 55.375 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 83 Resp: 98500
 Ion Ratio Lower Upper
 83 100
 85 64.7 52.5 78.7
 127 8.0 6.3 9.5

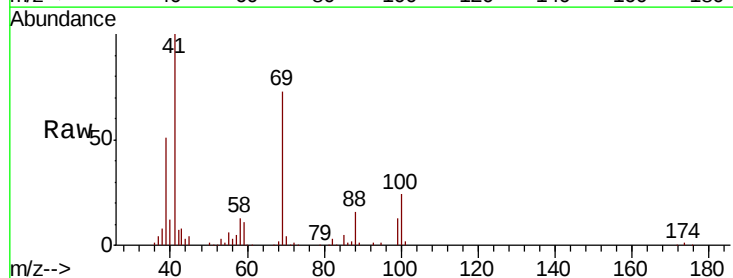


Abundance Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 126.80 (126.50 to 127.50): V

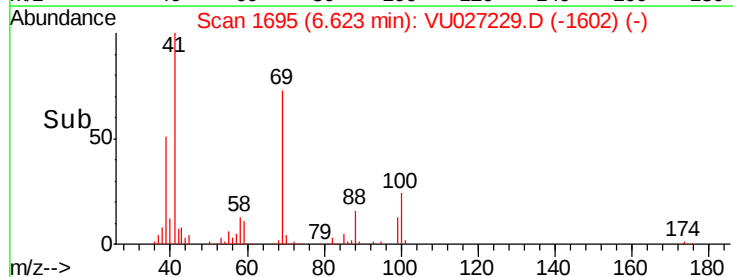
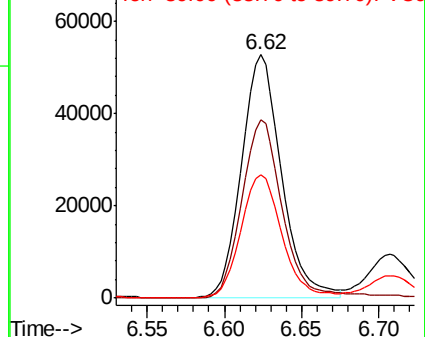


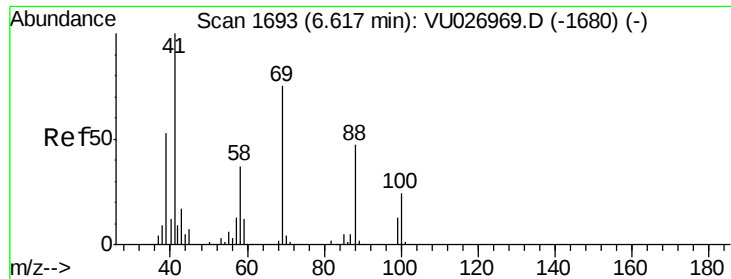
#48
 Methyl methacrylate
 Concen: 52.745 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Tgt Ion: 41 Resp: 95408
 Ion Ratio Lower Upper
 41 100
 69 75.7 60.6 90.8
 39 52.1 42.8 64.2



Abundance Ion 41.00 (40.70 to 41.70): VU0
 Ion 69.00 (68.70 to 69.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

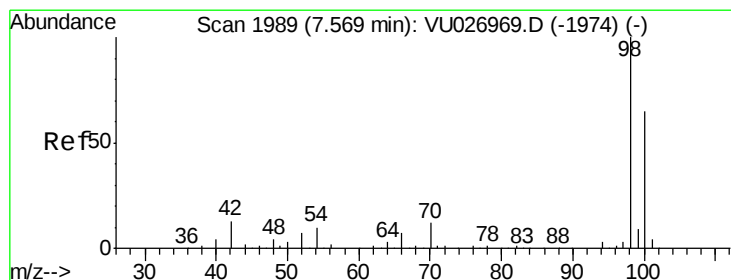
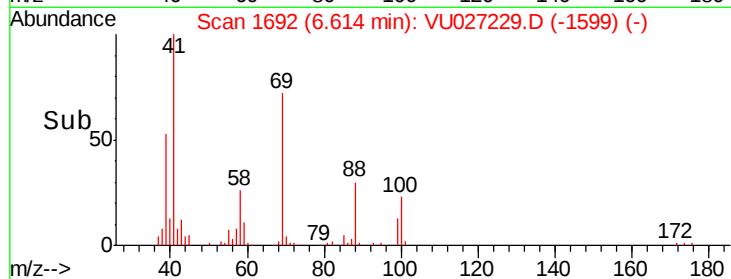
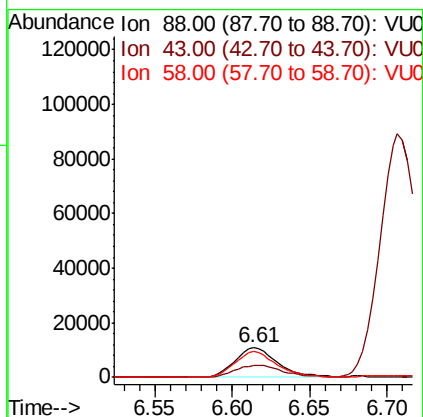
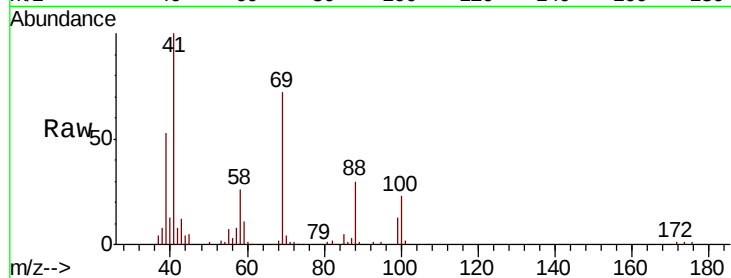




#49
1,4-Dioxane
Concen: 585.243 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

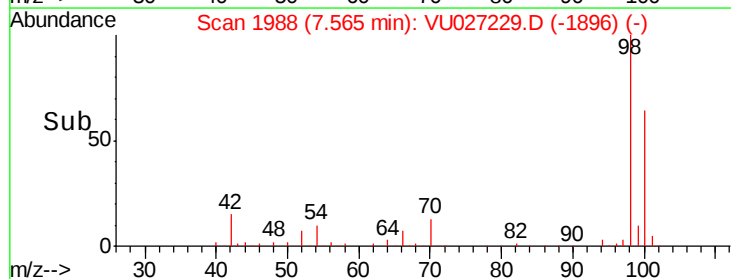
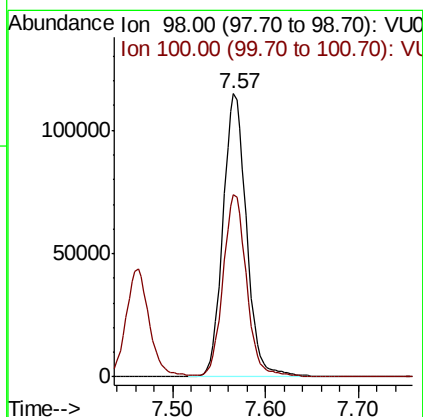
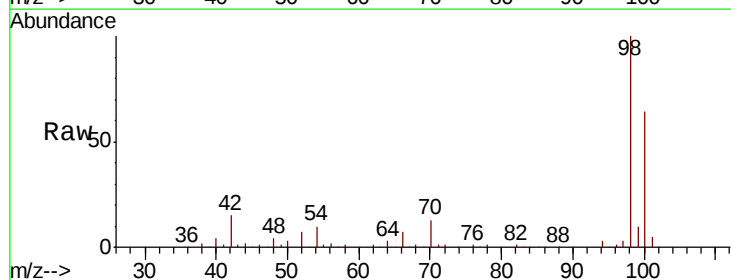
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

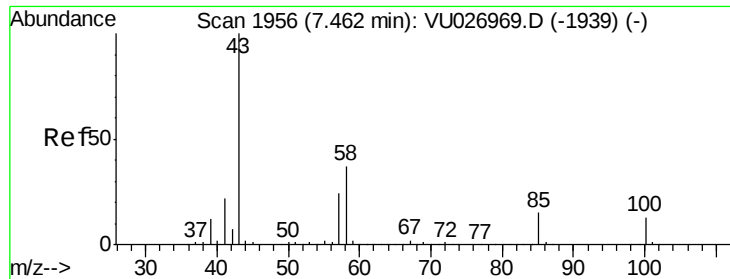
Tot Ion: 88 Resp: 21027
Ion Ratio Lower Upper
88 100
43 45.8 29.8 44.8#
58 83.4 63.9 95.9



#50
Toluene-d8
Concen: 48.562 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Tgt Ion: 98 Resp: 202123
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 286.839 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

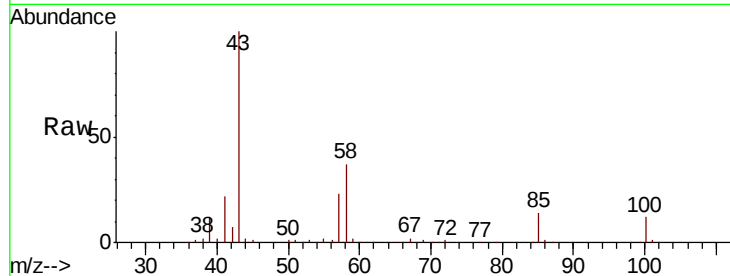
VSTDCCC050

Tot Ion: 43 Resp: 640451

Ion Ratio Lower Upper

43 100

58 36.6 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.46

400000

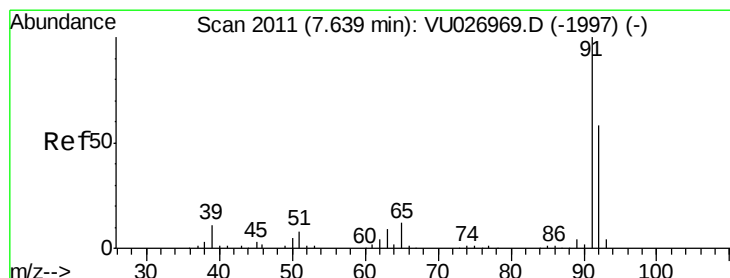
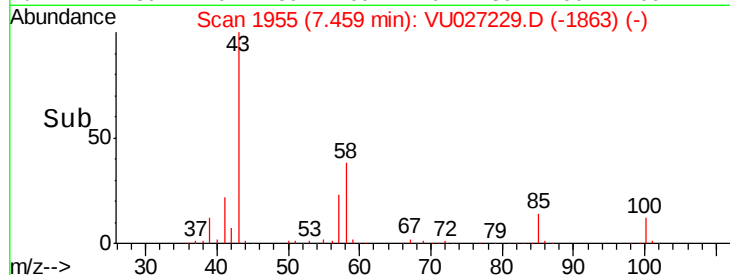
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 57.973 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027229.D

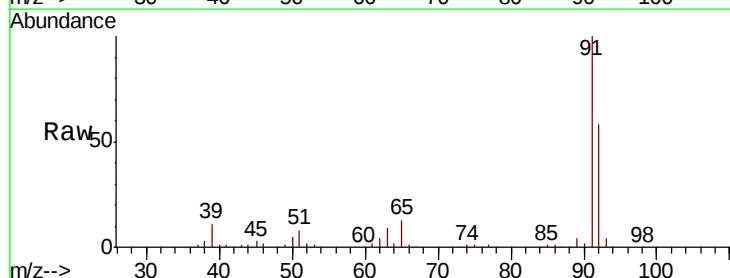
Acq: 27 Sep 2018 16:58

Tgt Ion: 92 Resp: 169870

Ion Ratio Lower Upper

92 100

91 172.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

7.64

200000

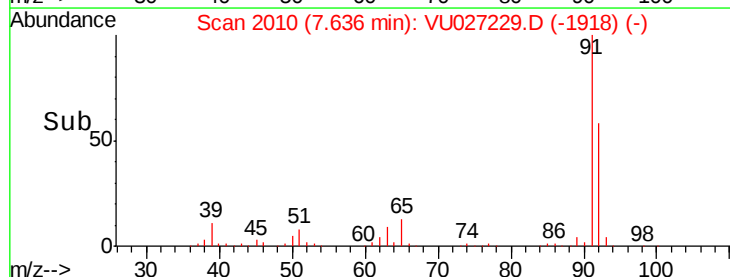
150000

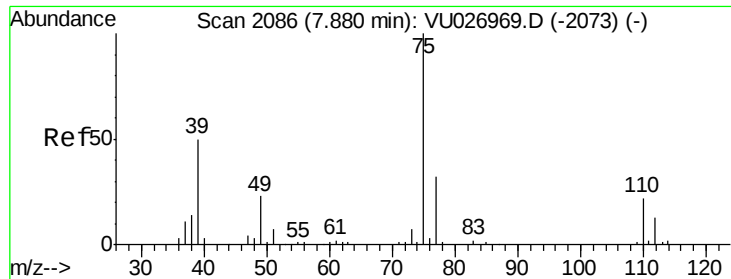
100000

50000

0

Time-->

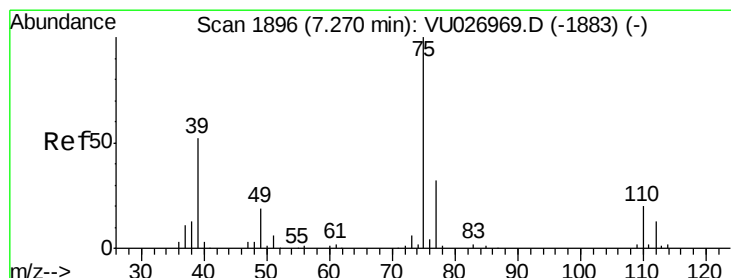
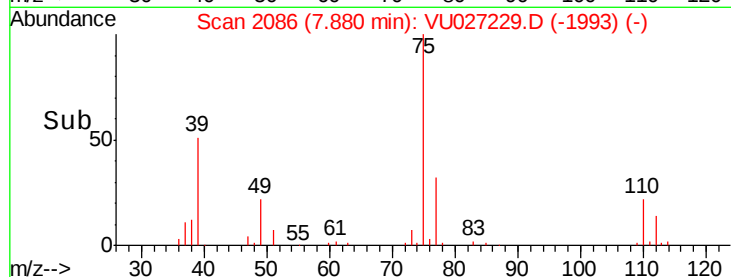
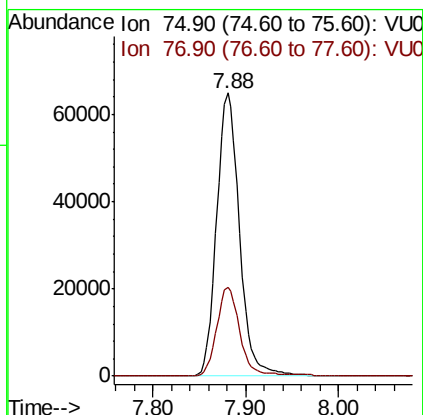
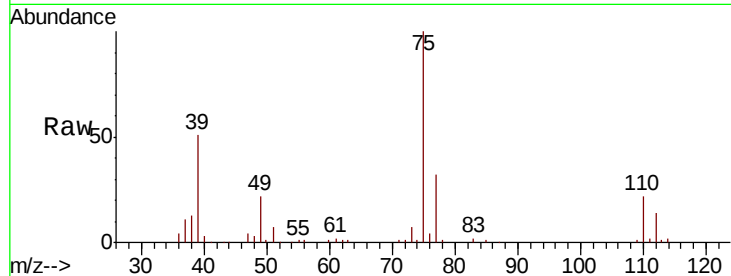




#53
 t-1,3-Dichloropropene
 Concen: 58.082 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

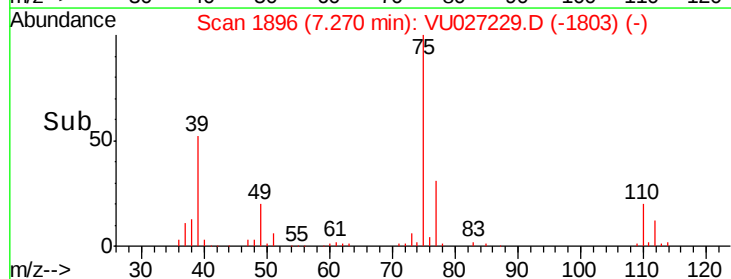
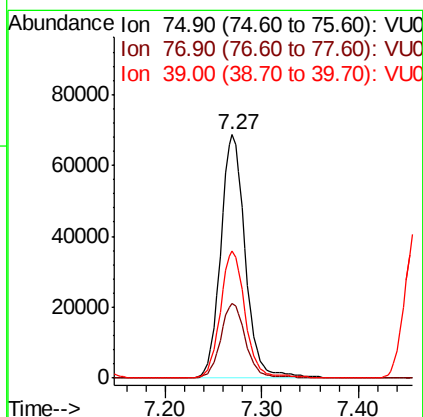
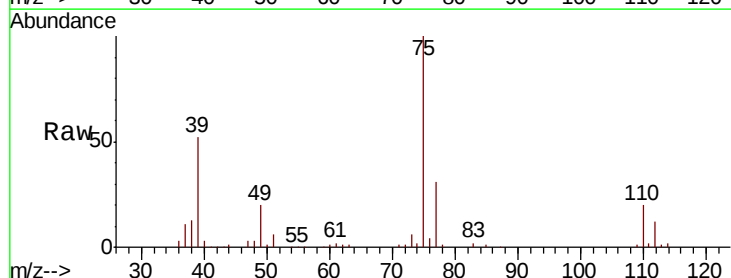
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

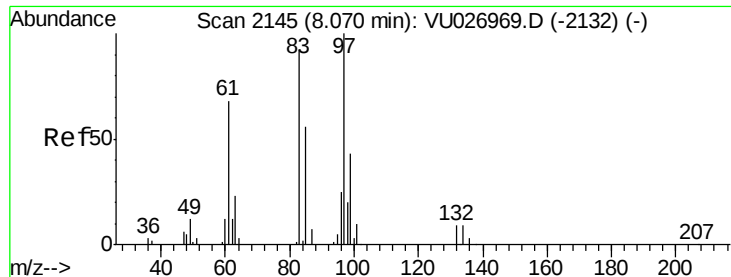
Tot Ion: 75 Resp: 111003
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 57.566 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Tgt Ion: 75 Resp: 120967
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.4 38.0
 39 52.0 41.6 62.4

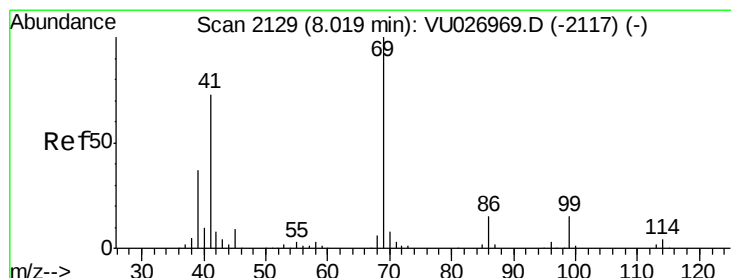
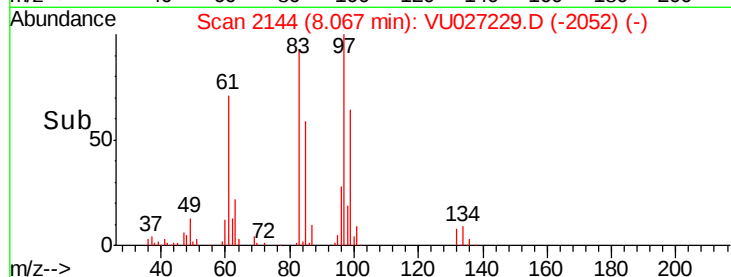
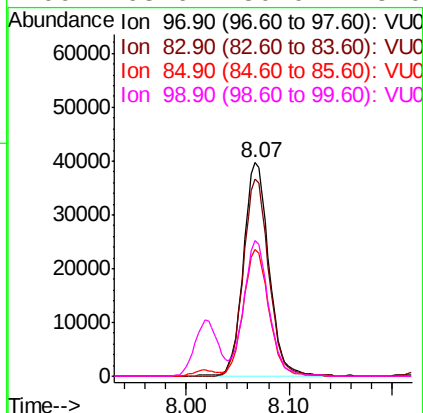
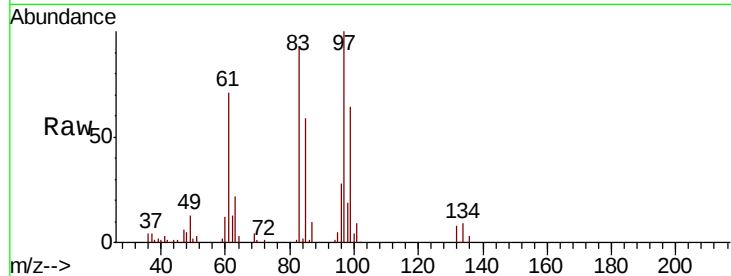




#55
 1,1,2-Trichloroethane
 Concen: 55.137 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

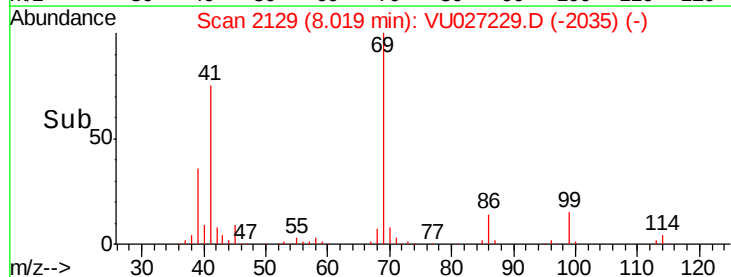
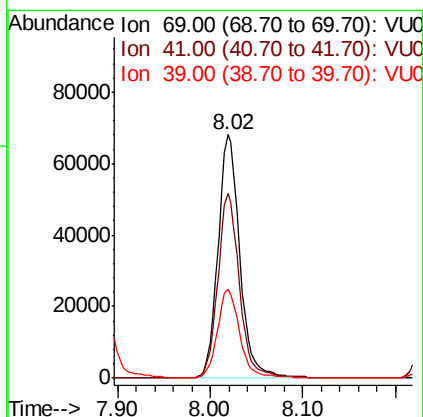
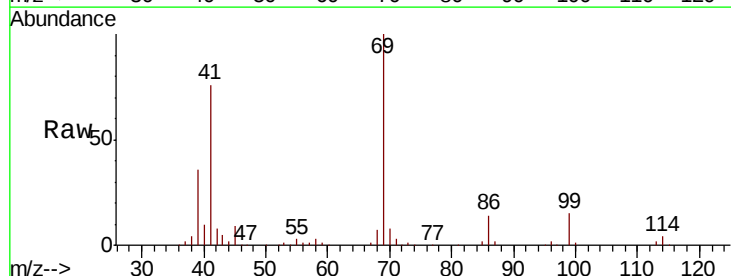
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

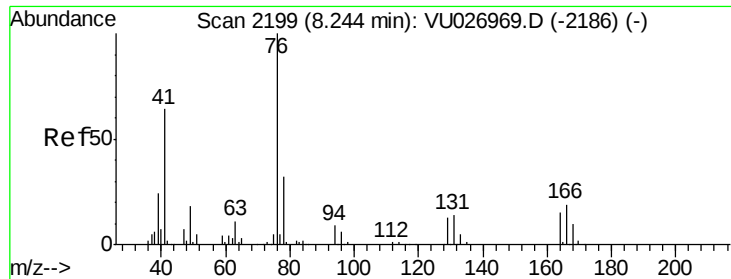
Tot Ion:	97	Resp:	68457
Ion	Ratio	Lower	Upper
97	100		
83	92.6	73.1	109.7
85	59.5	46.7	70.1
99	63.6	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 51.485 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Tgt Ion:	69	Resp:	111060
Ion	Ratio	Lower	Upper
69	100		
41	75.1	59.0	88.4
39	36.7	30.2	45.4





#57

1,3-Dichloropropane

Concen: 55.850 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

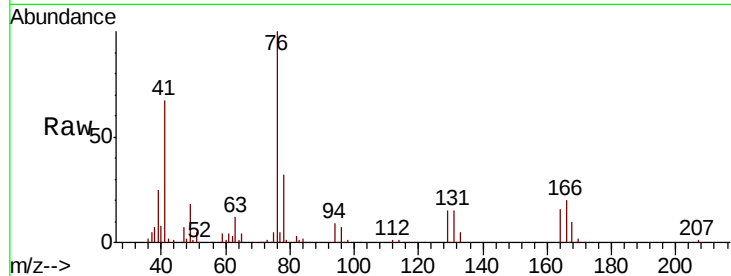
VSTDCCC050

Tot Ion: 76 Resp: 128970

Ion Ratio Lower Upper

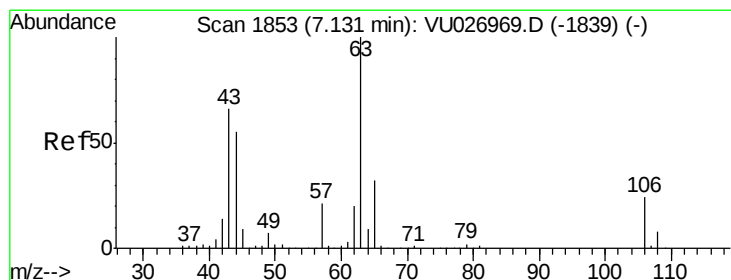
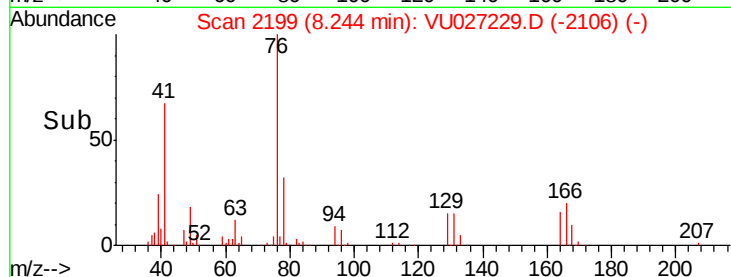
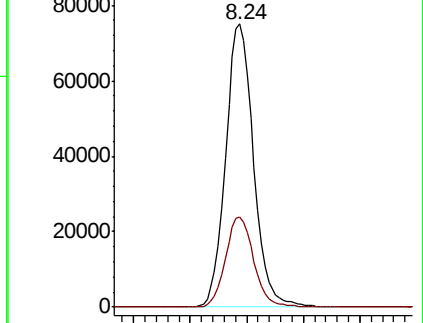
76 100

78 32.2 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 247.095 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027229.D

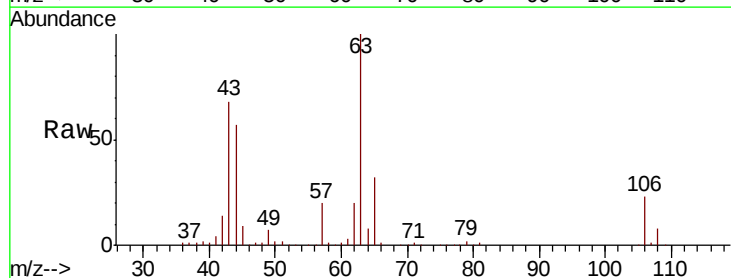
Acq: 27 Sep 2018 16:58

Tgt Ion: 63 Resp: 302024

Ion Ratio Lower Upper

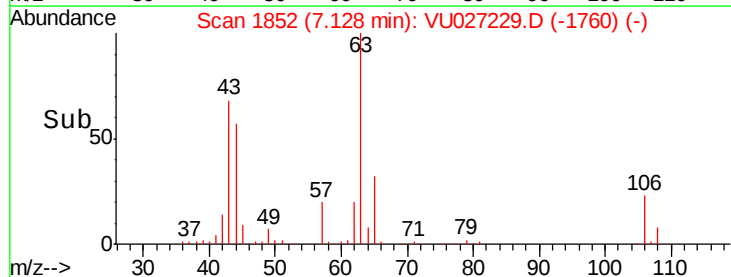
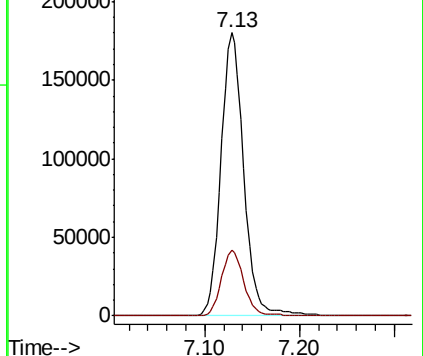
63 100

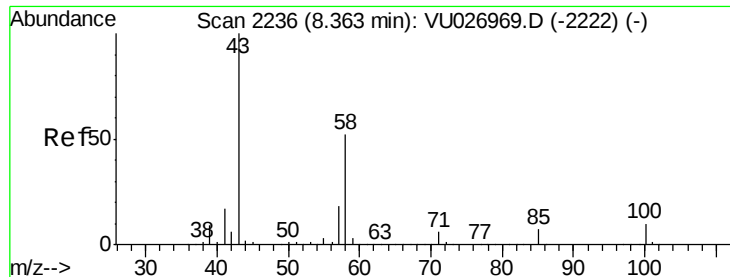
106 23.1 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

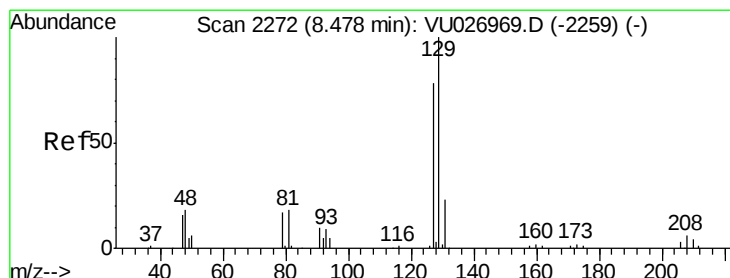
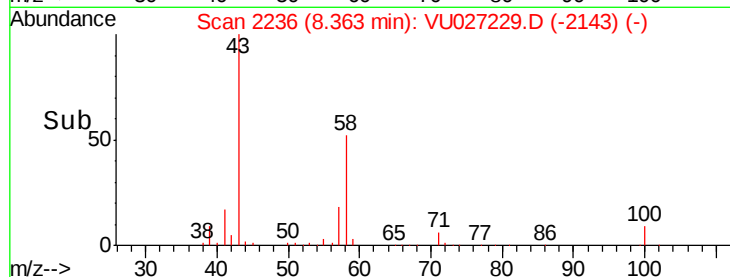
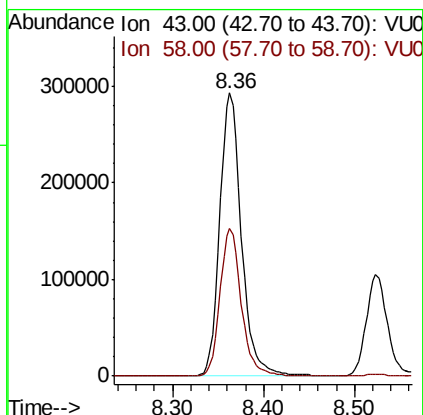
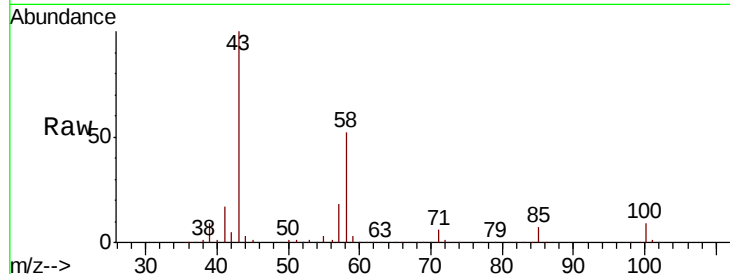




#59
2-Hexanone
Concen: 277.616 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

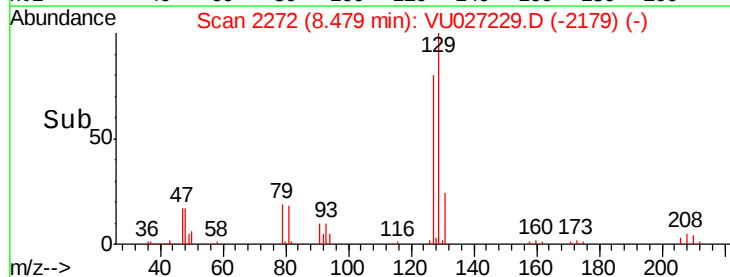
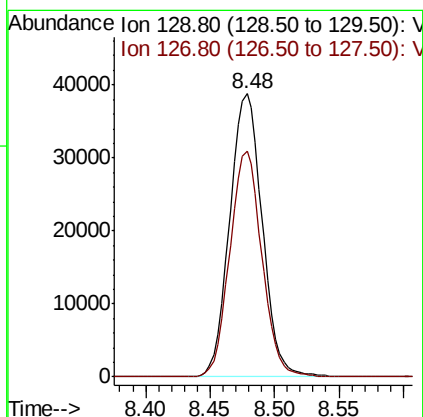
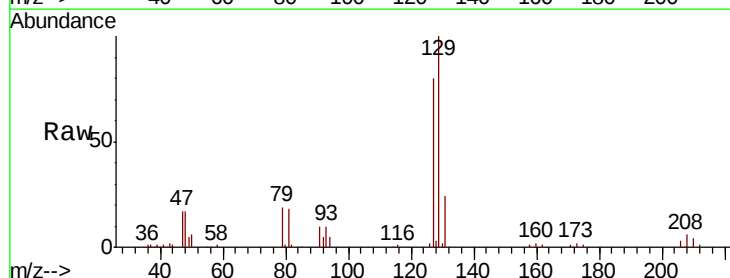
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

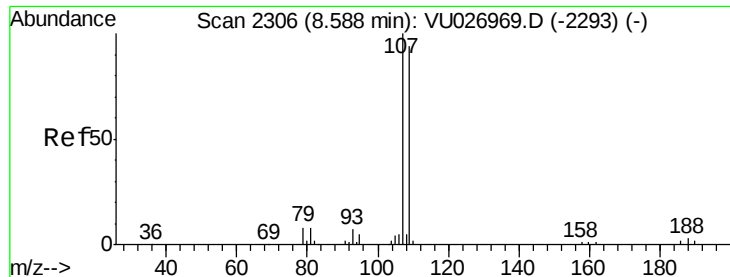
Tot Ion: 43 Resp: 485211
Ion Ratio Lower Upper
43 100
58 51.5 26.1 78.2



#60
Dibromochloromethane
Concen: 55.854 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Tgt Ion:129 Resp: 68022
Ion Ratio Lower Upper
129 100
127 78.7 38.1 114.5

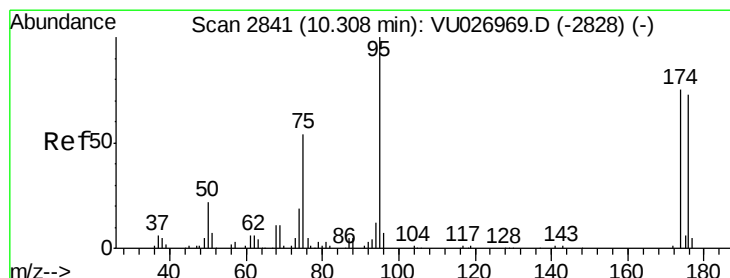
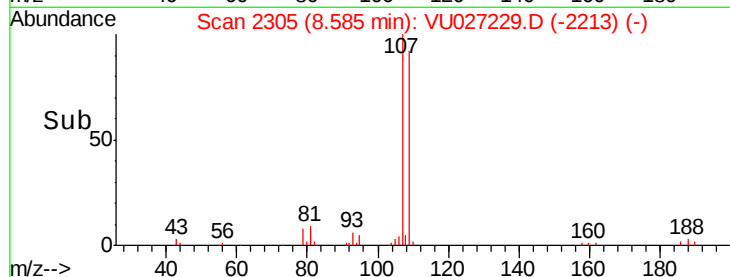
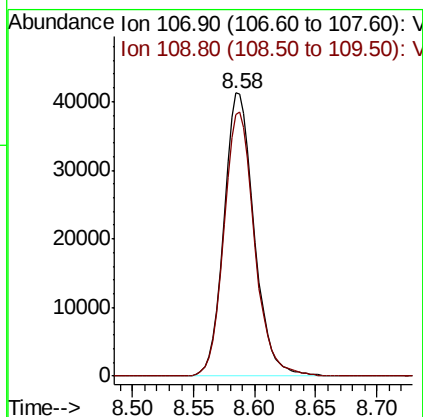
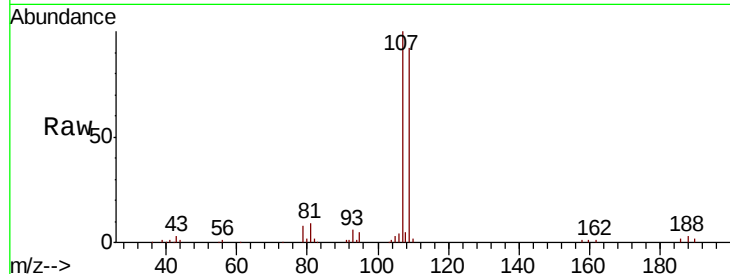




#61
 1,2-Dibromoethane
 Concen: 55.489 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

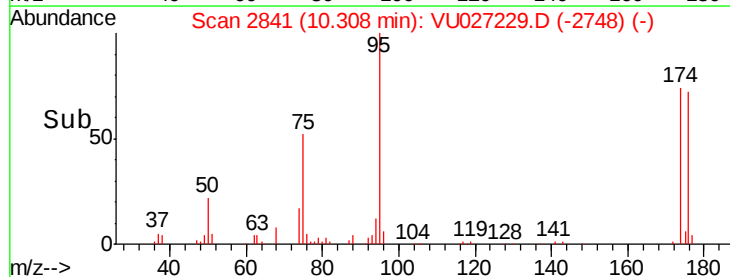
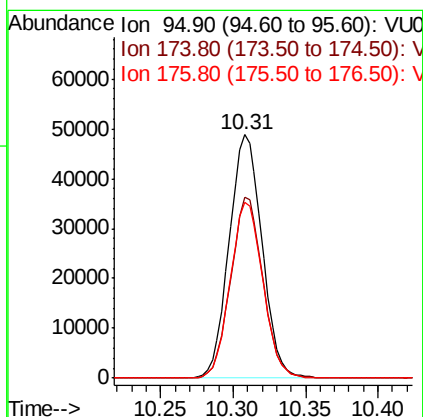
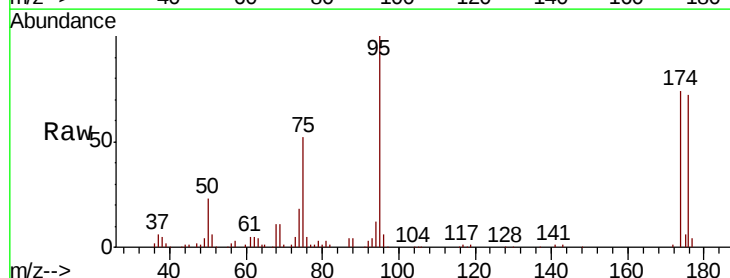
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

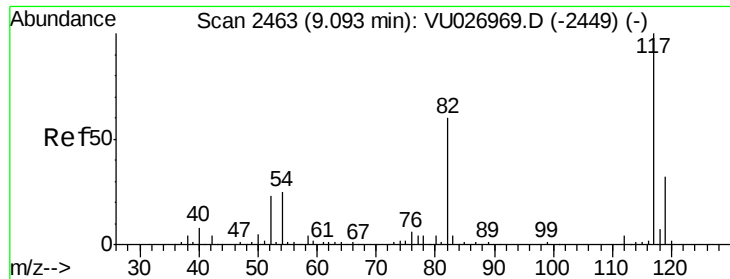
Tot Ion:107 Resp: 71682
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 53.863 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Tgt Ion: 95 Resp: 76926
 Ion Ratio Lower Upper
 95 100
 174 72.8 0.0 150.2
 176 71.7 0.0 145.2

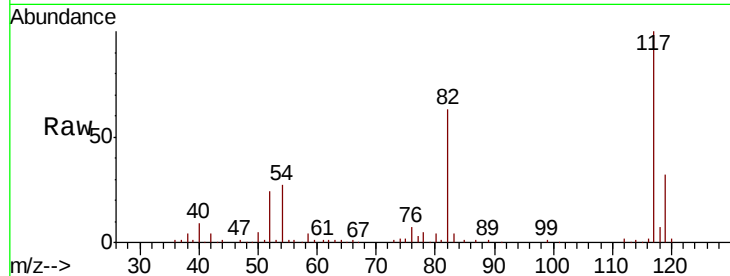




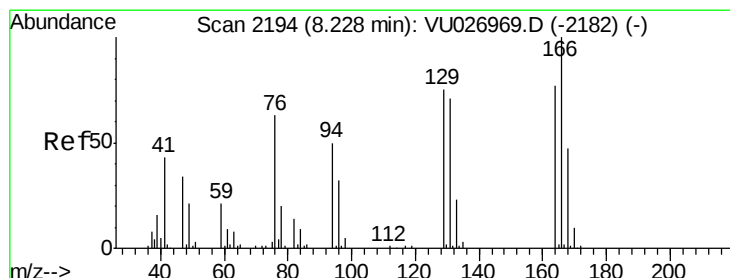
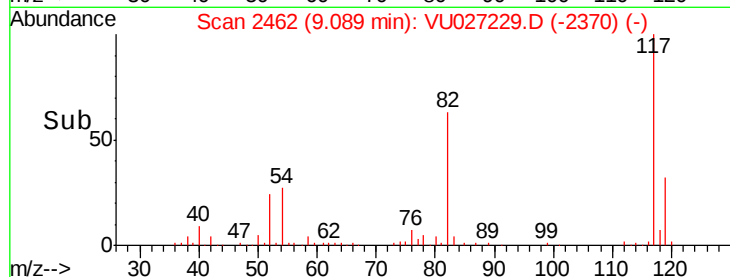
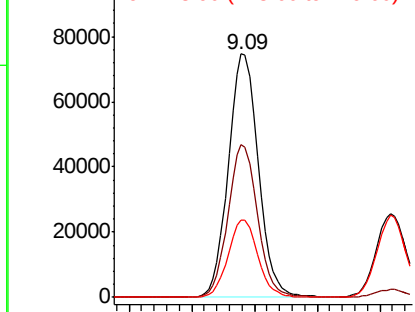
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 124380
Ion Ratio Lower Upper
117 100
82 63.0 48.0 72.0
119 31.8 25.8 38.8



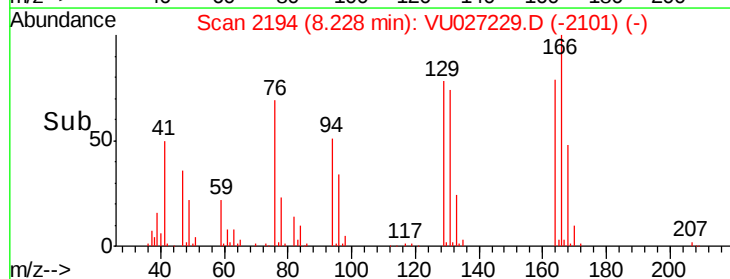
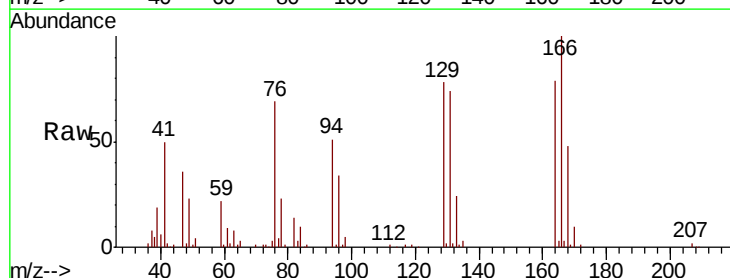
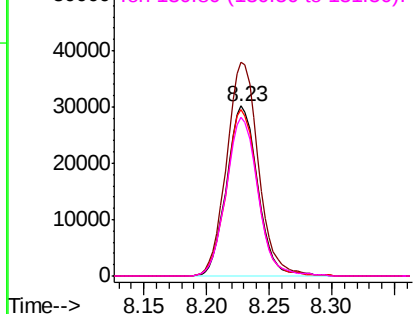
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

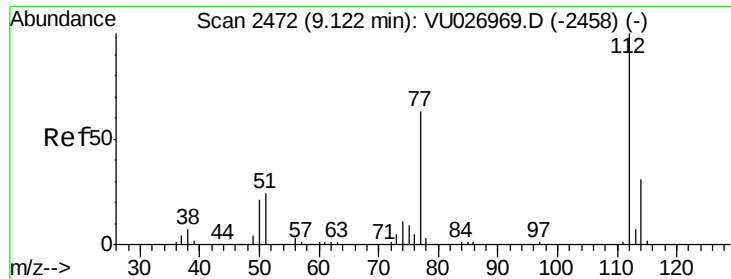


#64
Tetrachloroethene
Concen: 54.402 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Tgt Ion:164 Resp: 52141
Ion Ratio Lower Upper
164 100
166 125.8 104.4 156.6
129 98.0 78.7 118.1
131 93.2 73.9 110.9

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

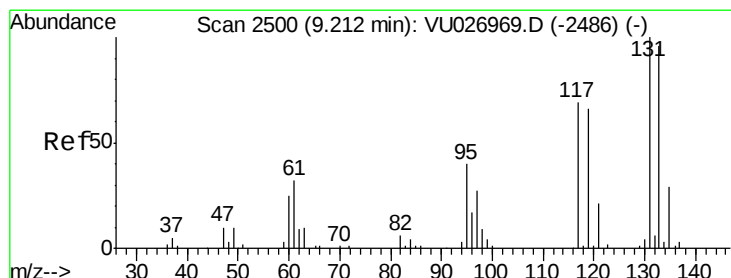
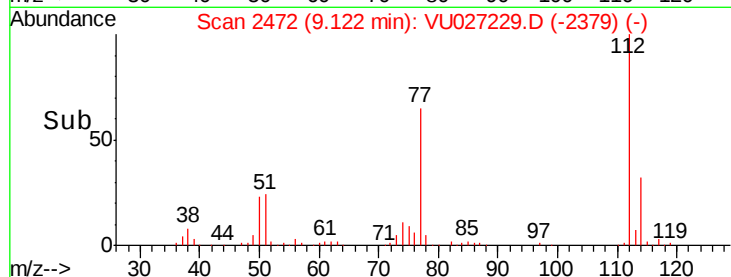
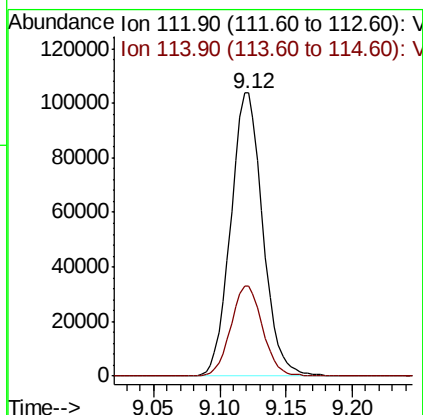
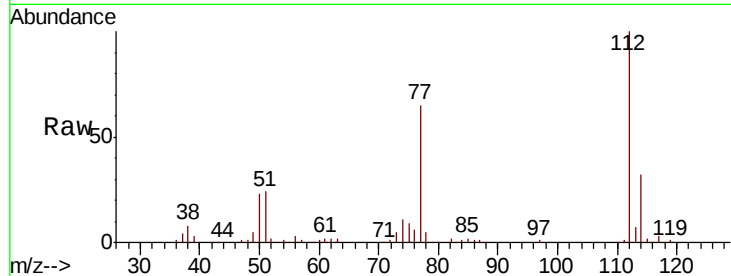




#65
Chlorobenzene
Concen: 52.747 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

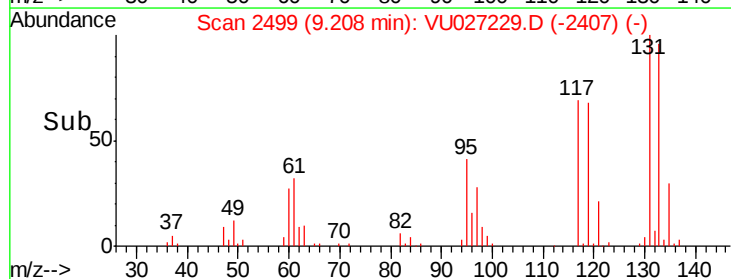
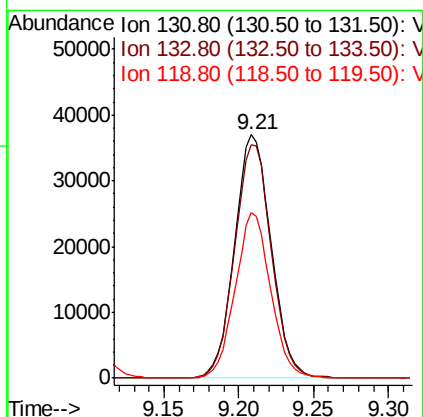
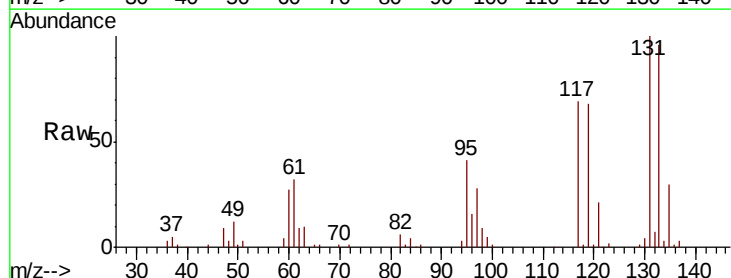
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

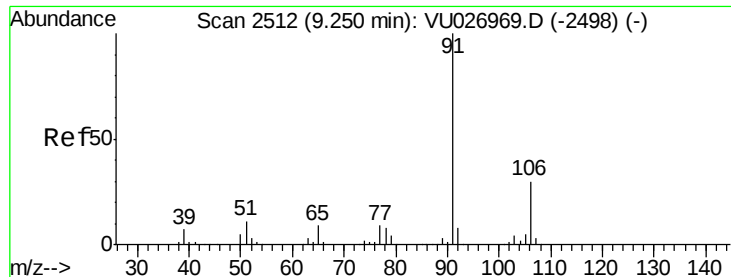
Tot Ion:112 Resp: 173958
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 55.241 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Tgt Ion:131 Resp: 62750
Ion Ratio Lower Upper
131 100
133 96.9 48.0 144.2
119 66.1 33.4 100.1

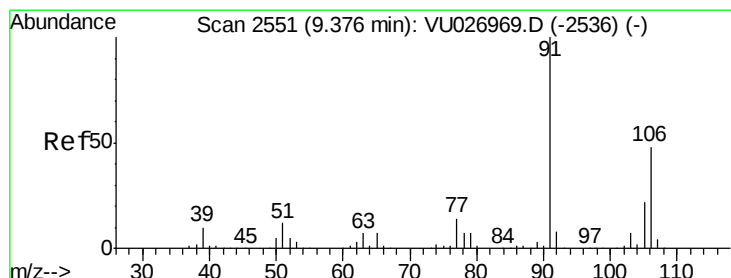
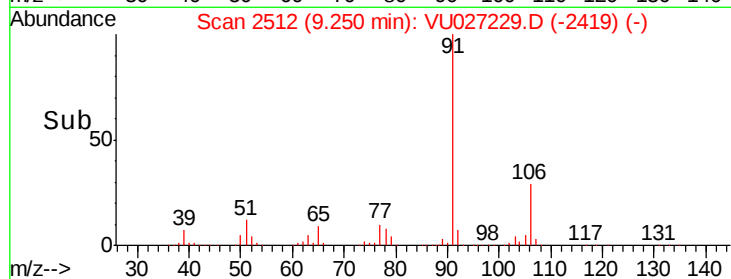
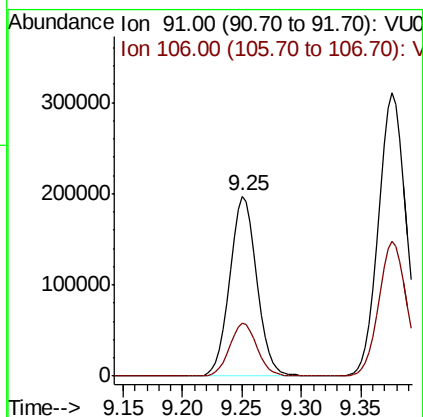
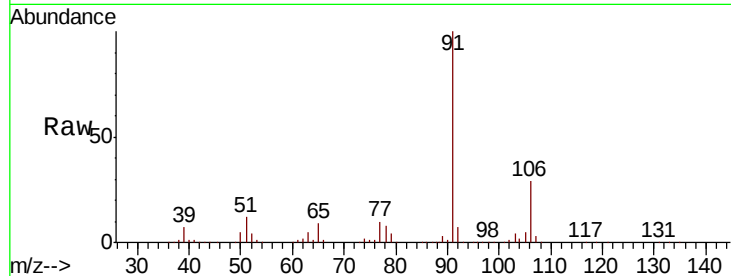




#67
Ethyl Benzene
Concen: 57.357 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

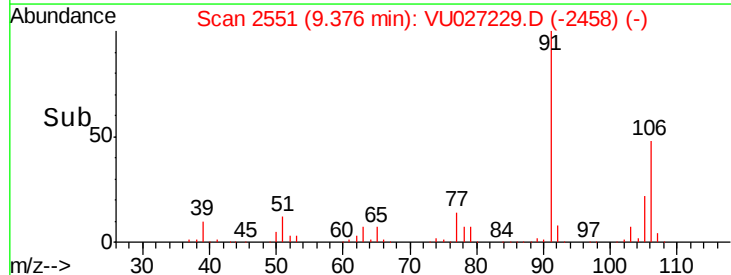
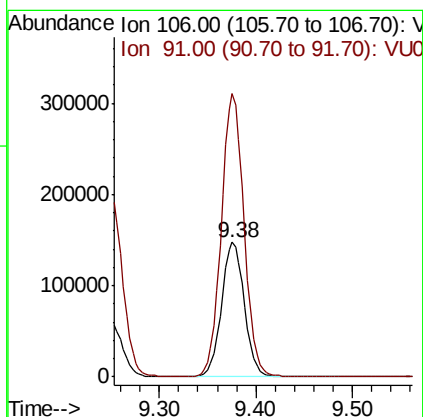
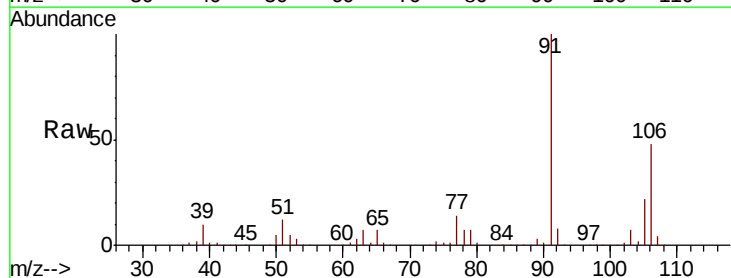
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

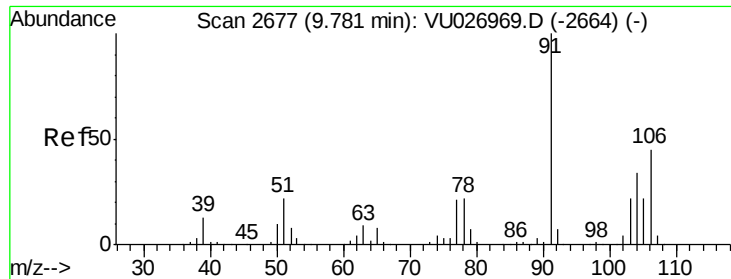
Tot Ion: 91 Resp: 311051
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.8



#68
m/p-Xylenes
Concen: 109.332 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Tgt Ion: 106 Resp: 240436
Ion Ratio Lower Upper
106 100
91 209.5 166.5 249.7

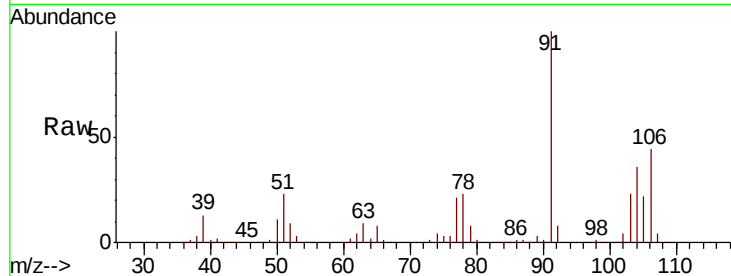




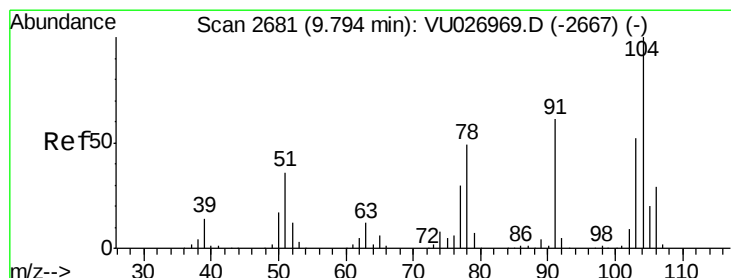
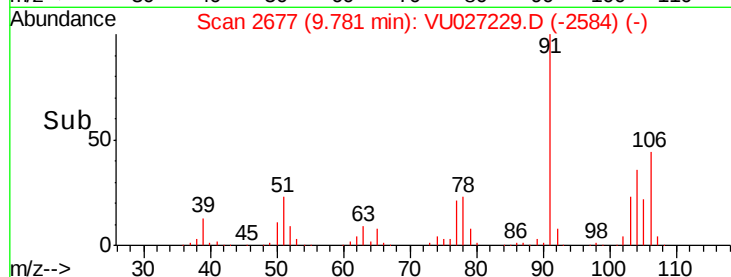
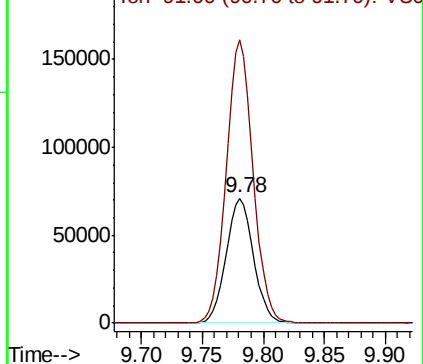
#69
o-Xylene
Concen: 58.148 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 111730
Ion Ratio Lower Upper
106 100
91 222.3 110.2 330.6

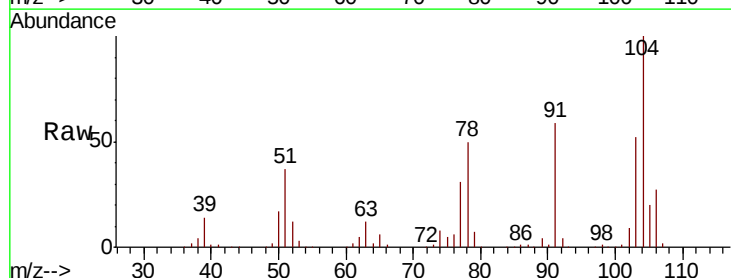


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

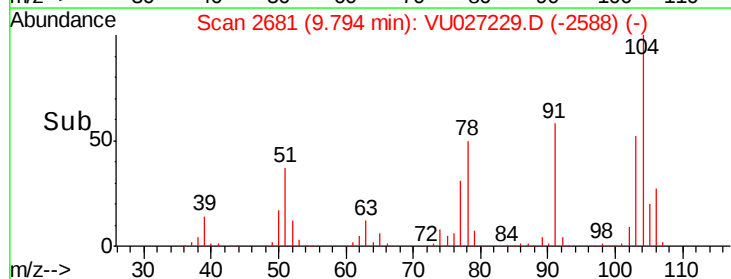
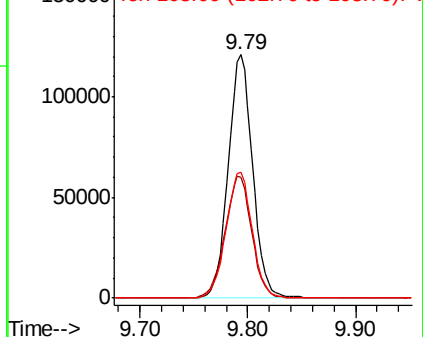


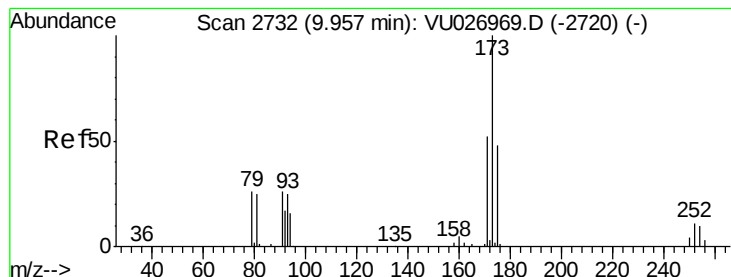
#70
Styrene
Concen: 53.051 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Tgt Ion:104 Resp: 190741
Ion Ratio Lower Upper
104 100
78 54.6 43.0 64.4
103 55.3 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 56.694 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

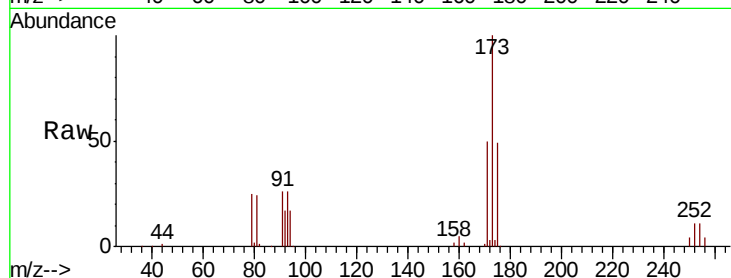
Tot Ion:173 Resp: 49801

Ion Ratio Lower Upper

173 100

175 48.3 23.9 71.8

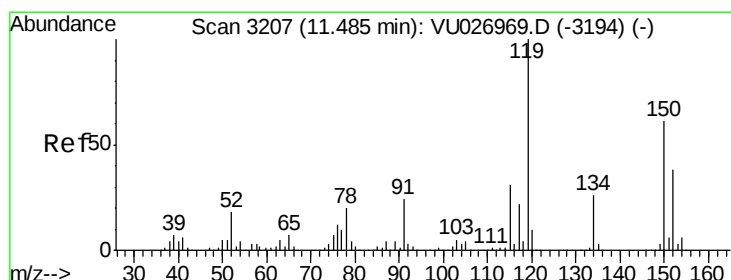
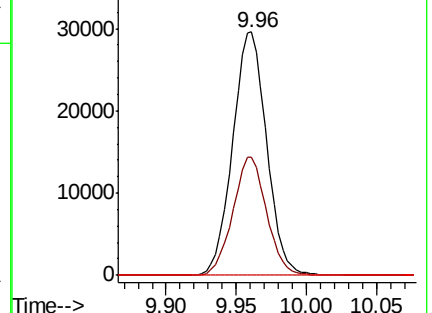
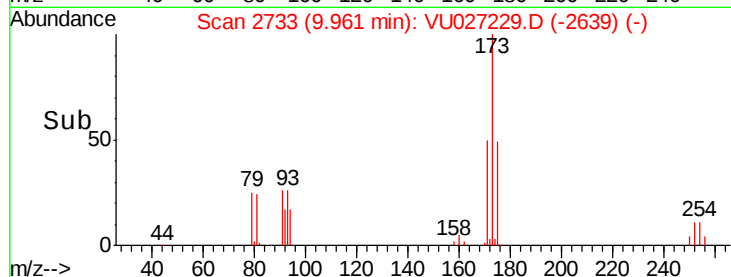
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

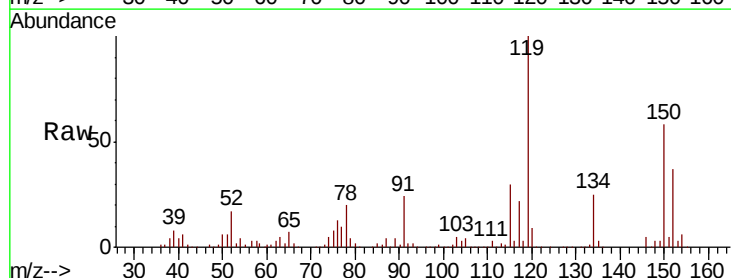
Tgt Ion:152 Resp: 71631

Ion Ratio Lower Upper

152 100

115 91.2 44.9 134.5

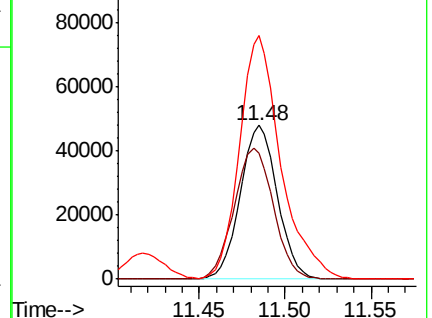
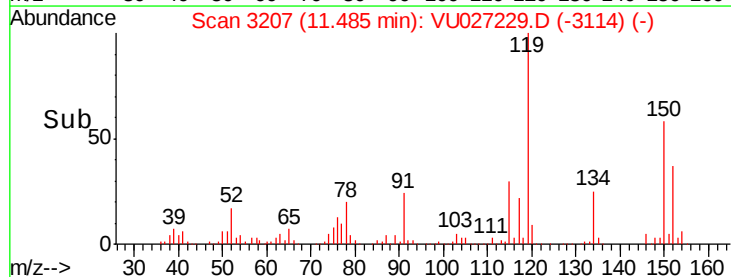
150 177.0 0.0 355.8

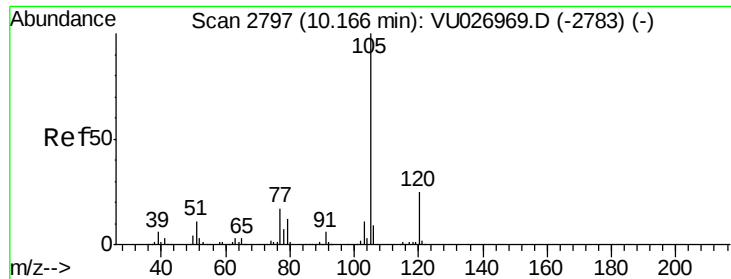


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.217 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

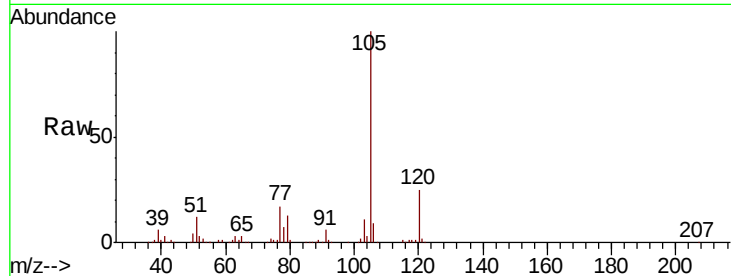
VSTDCCC050

Tot Ion:105 Resp: 306319

Ion Ratio Lower Upper

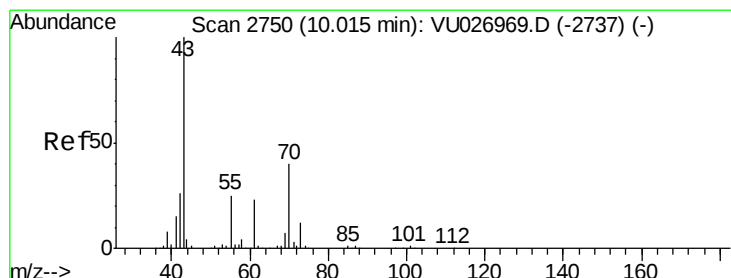
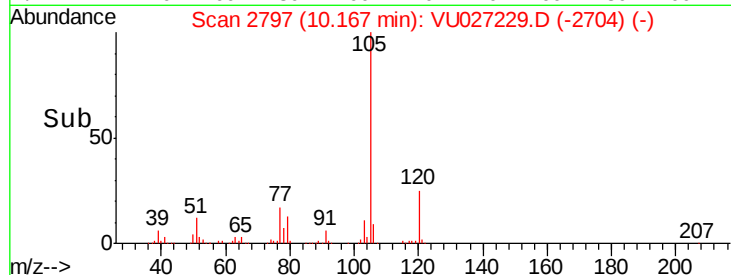
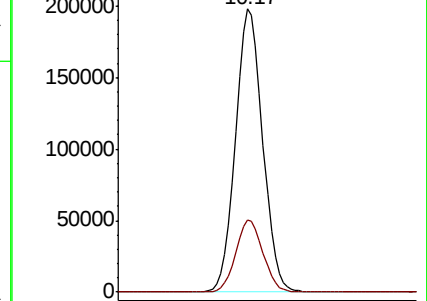
105 100

120 25.4 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.838 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Tgt Ion: 43 Resp: 169809

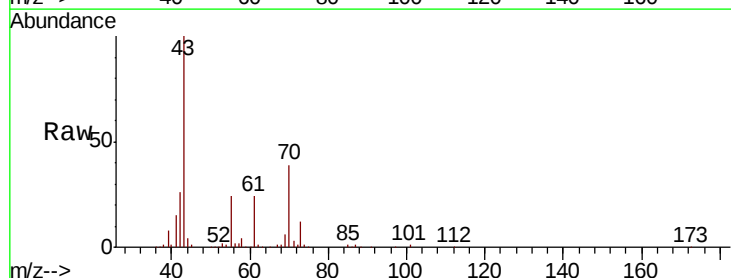
Ion Ratio Lower Upper

43 100

70 38.4 31.8 47.8

55 24.3 19.9 29.9

61 23.1 18.4 27.6

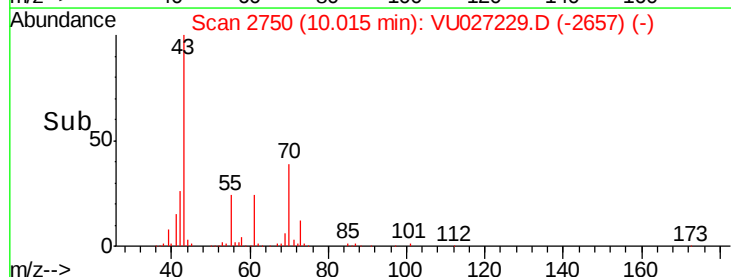
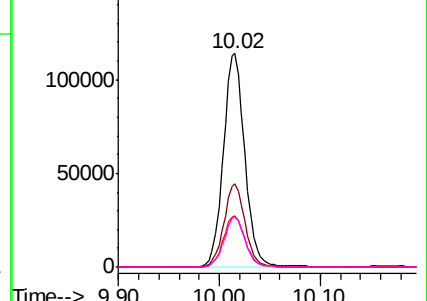


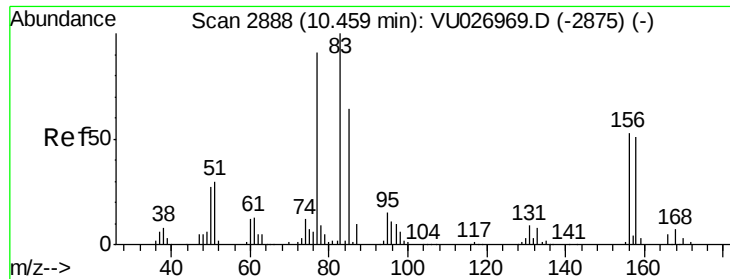
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.461 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

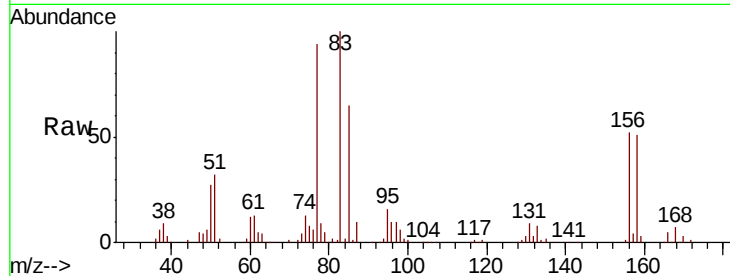
Tot Ion: 83 Resp: 118901

Ion Ratio Lower Upper

83 100

131 8.4 4.3 12.8

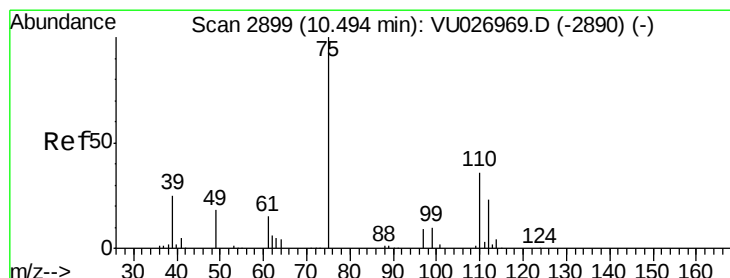
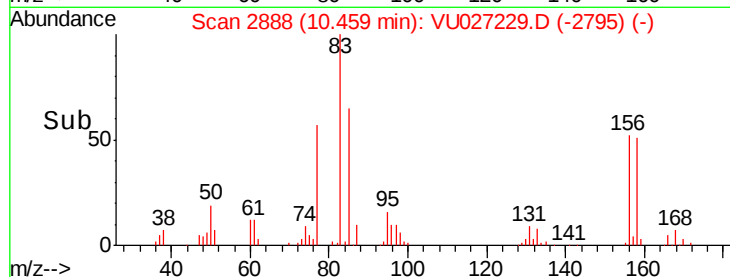
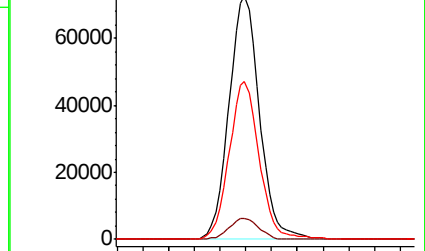
85 64.1 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VU026969.D (-2875) (-)

Ion 130.80 (130.50 to 131.50): VU026969.D (-2875) (-)

Ion 84.90 (84.60 to 85.60): VU026969.D (-2875) (-)



#76

1,2,3-Trichloropropane

Concen: 64.518 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027229.D

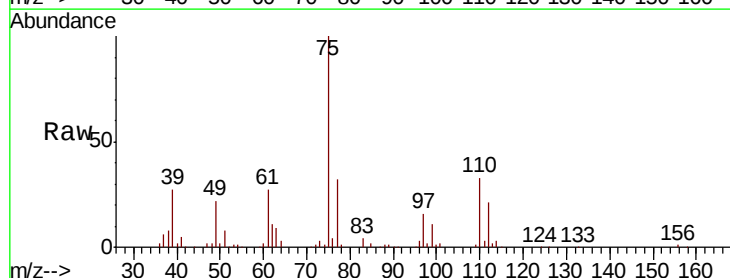
Acq: 27 Sep 2018 16:58

Tgt Ion: 75 Resp: 140399

Ion Ratio Lower Upper

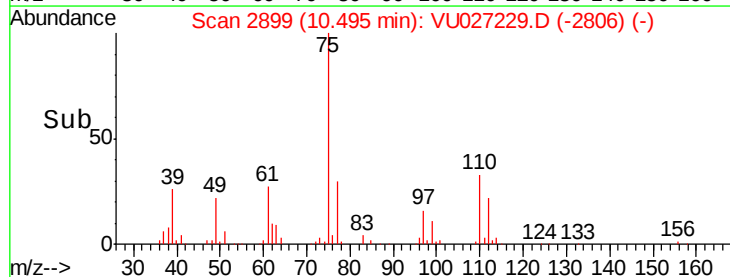
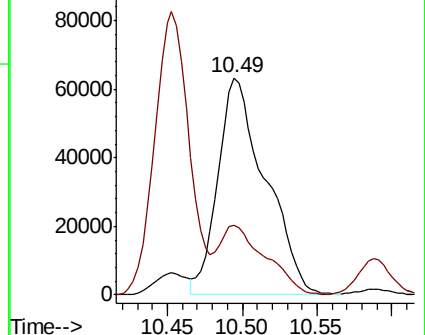
75 100

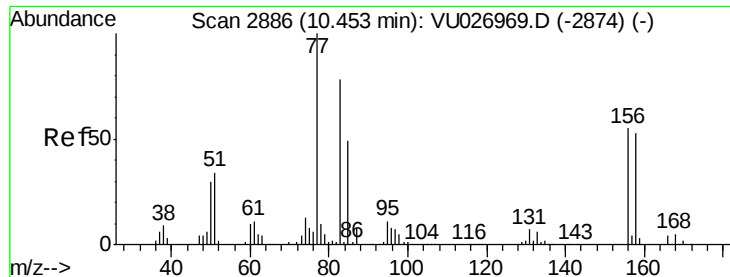
77 31.6 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU026969.D (-2890) (-)





#77

Bromobenzene

Concen: 52.376 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

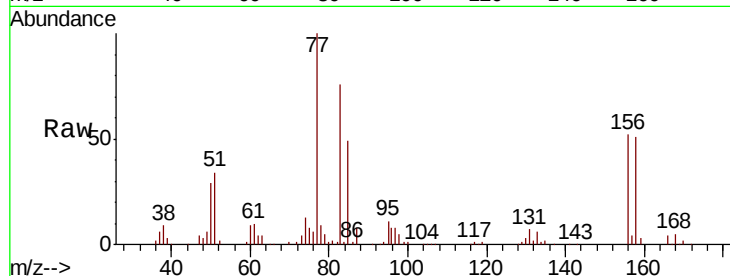
Tot Ion:156 Resp: 69740

Ion Ratio Lower Upper

156 100

77 190.4 92.3 276.9

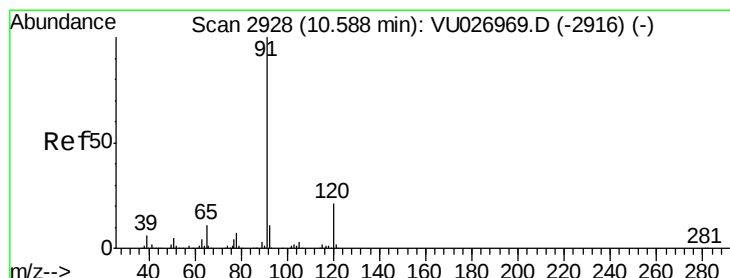
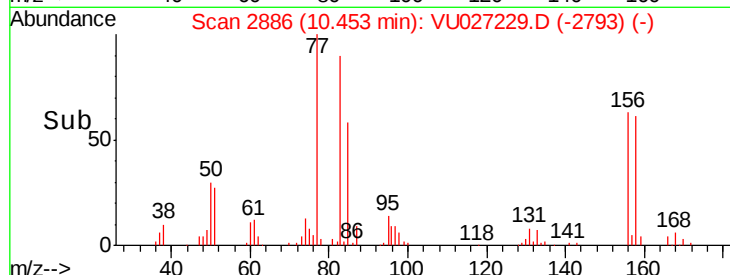
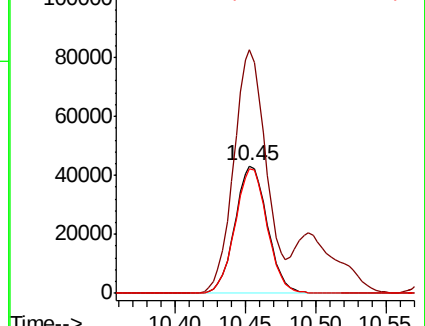
158 97.1 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 58.949 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027229.D

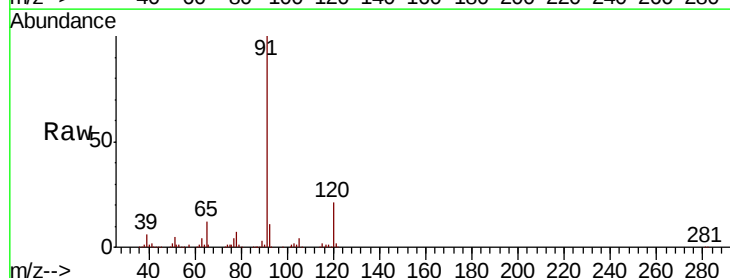
Acq: 27 Sep 2018 16:58

Tgt Ion: 91 Resp: 380059

Ion Ratio Lower Upper

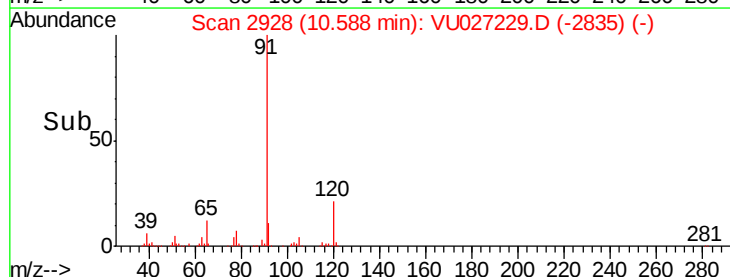
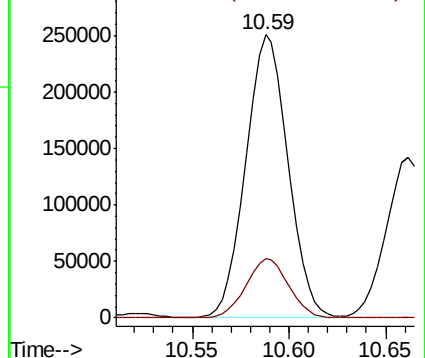
91 100

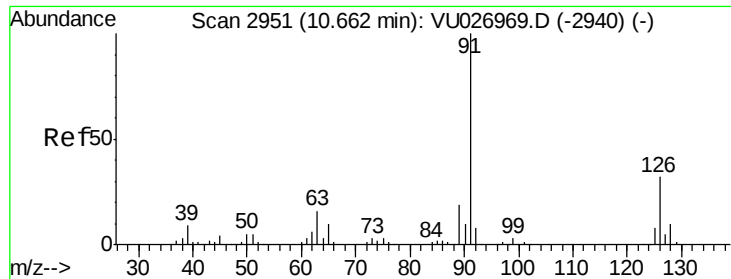
120 21.1 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

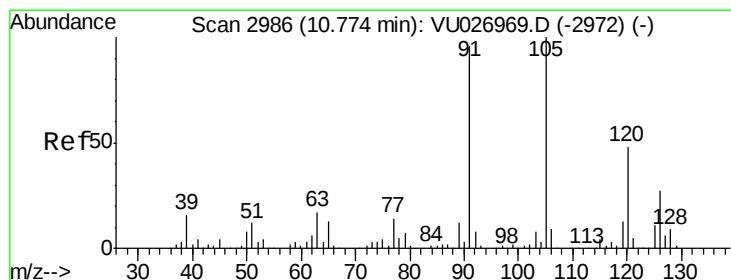
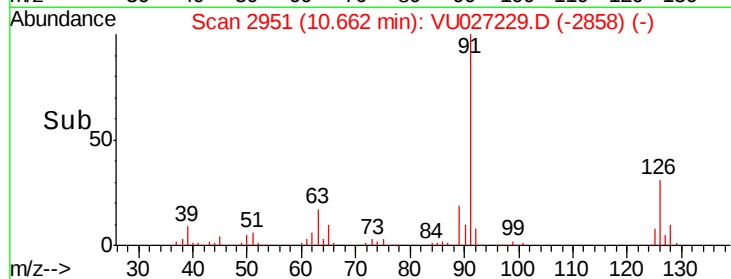
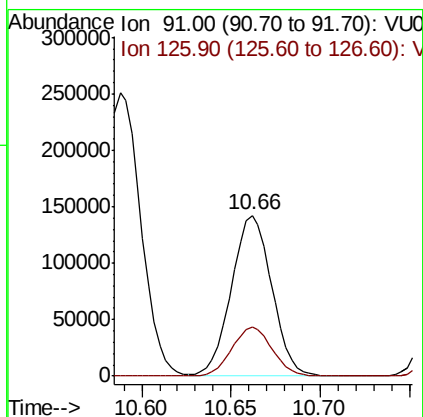
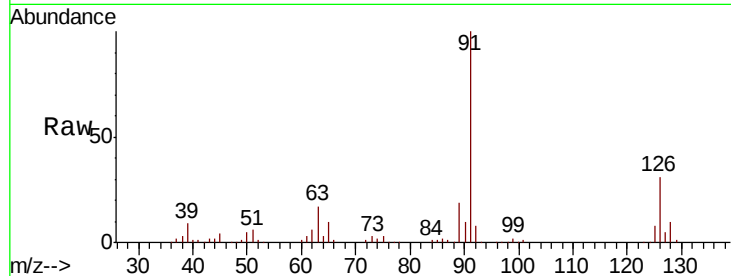




#79
 2-Chlorotoluene
 Concen: 54.933 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

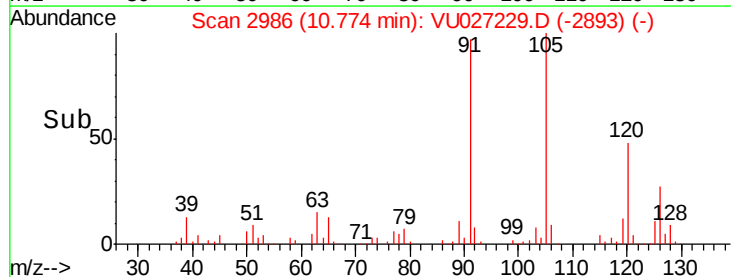
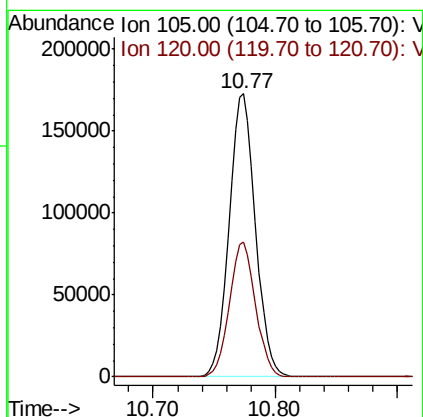
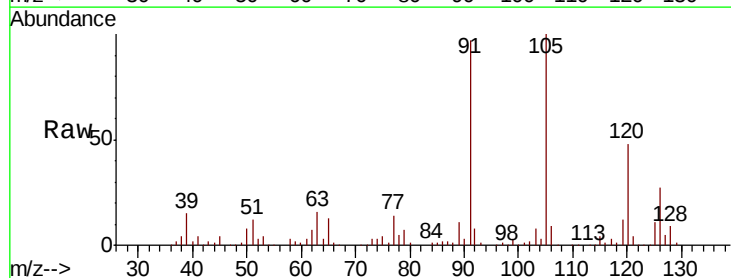
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

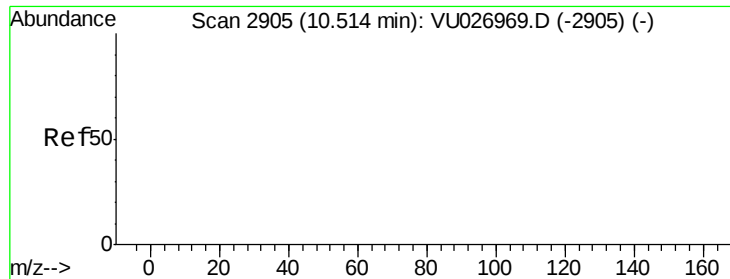
Tot Ion: 91 Resp: 222465
 Ion Ratio Lower Upper
 91 100
 126 30.8 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 57.711 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Tgt Ion: 105 Resp: 259582
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 206.468 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

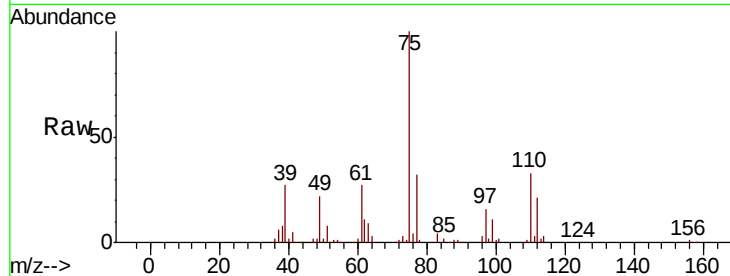
Tot Ion: 75 Resp: 140399

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

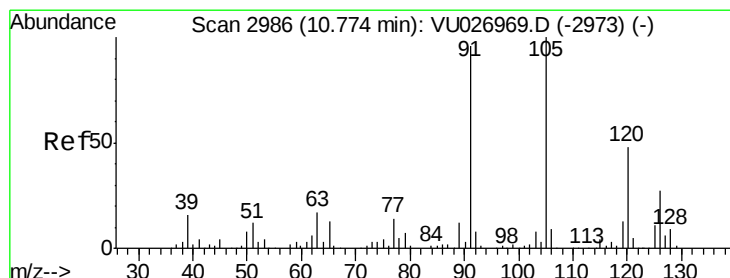
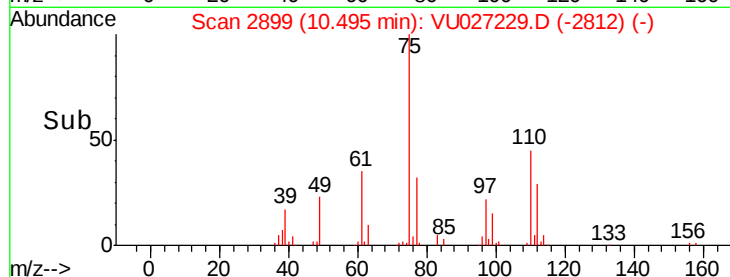
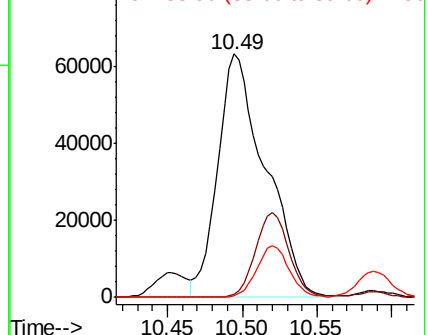
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 57.551 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027229.D

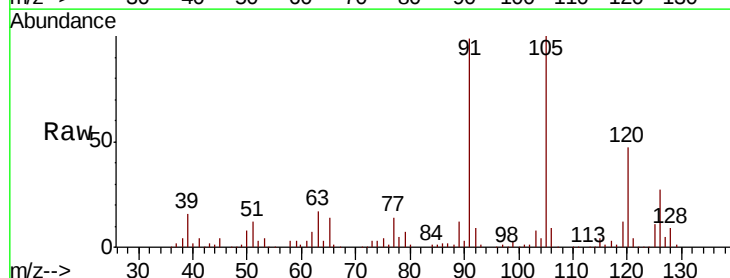
Acq: 27 Sep 2018 16:58

Tgt Ion: 91 Resp: 261332

Ion Ratio Lower Upper

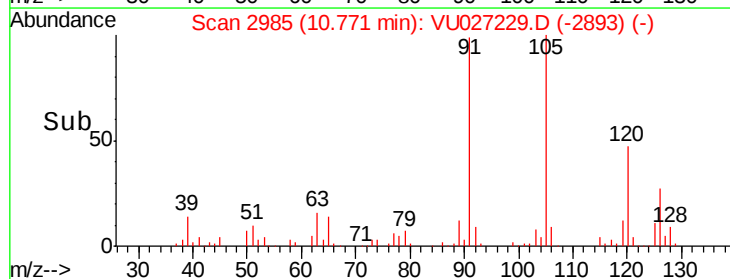
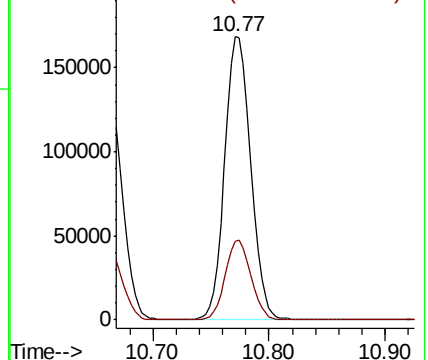
91 100

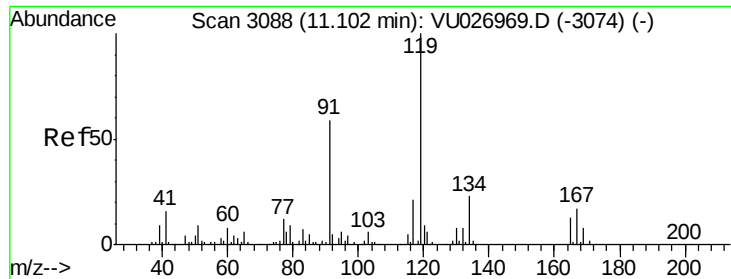
126 27.7 14.1 42.2



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

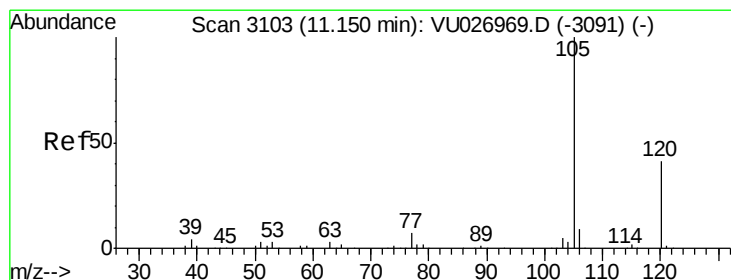
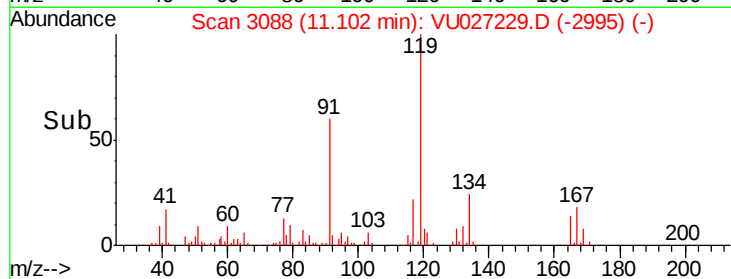
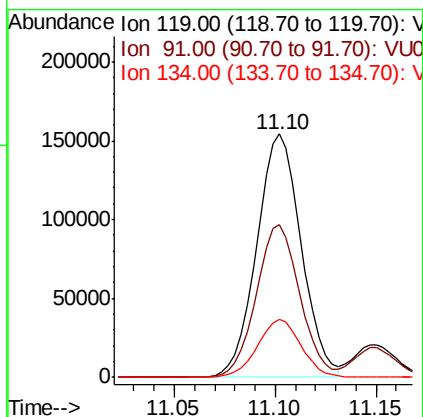
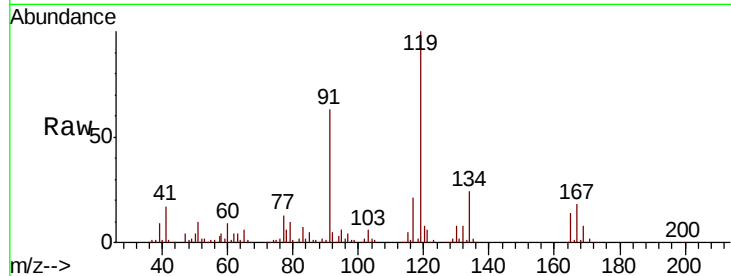




#83
tert-Butylbenzene
Concen: 53.410 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

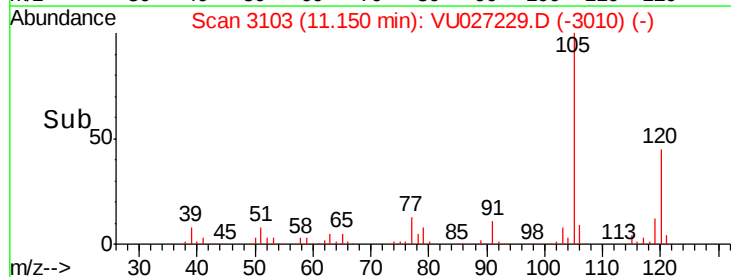
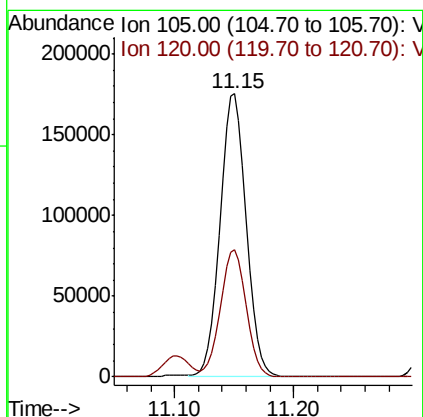
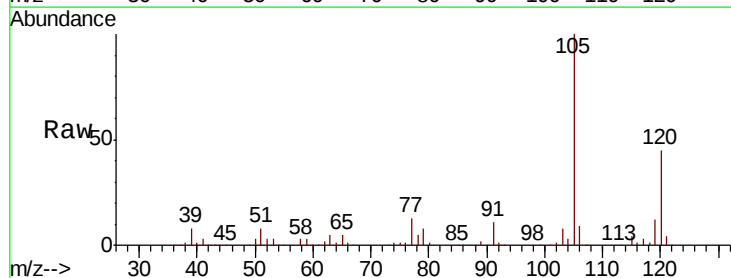
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

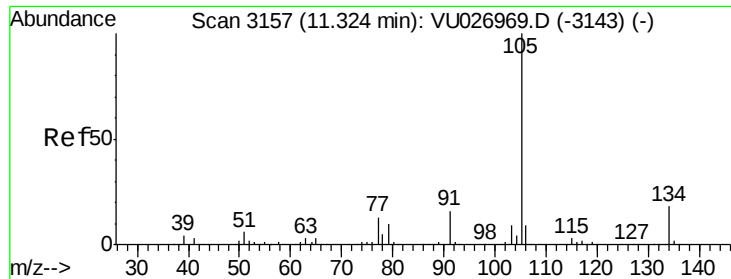
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	29.8	89.4
134	23.3	11.5	34.4



#84
1,2,4-Trimethylbenzene
Concen: 58.388 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.2

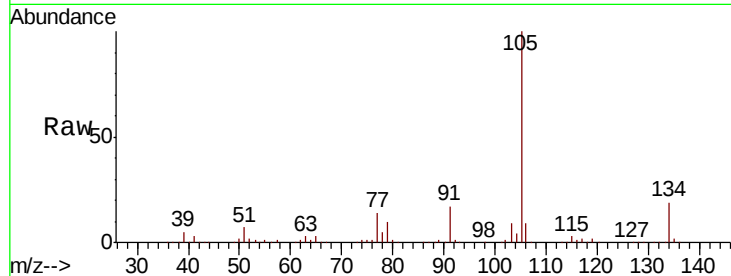




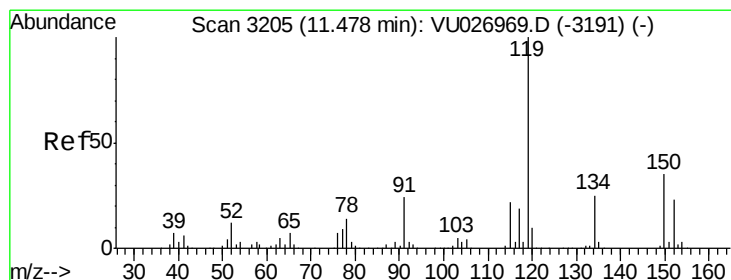
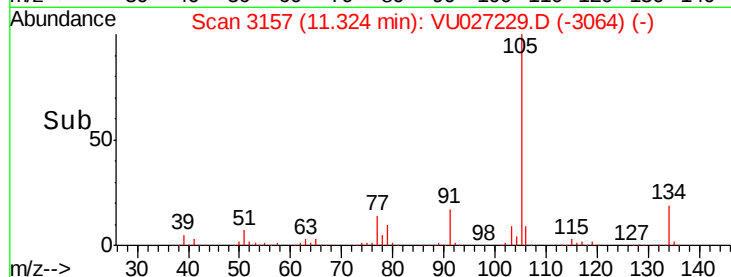
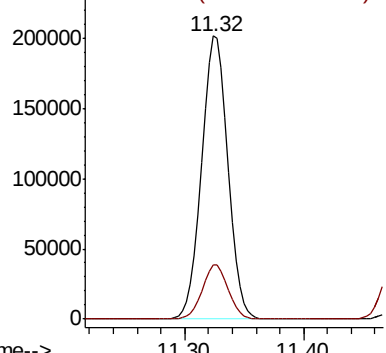
#85
 sec-Butylbenzene
 Concen: 56.622 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 307364
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.4 28.2

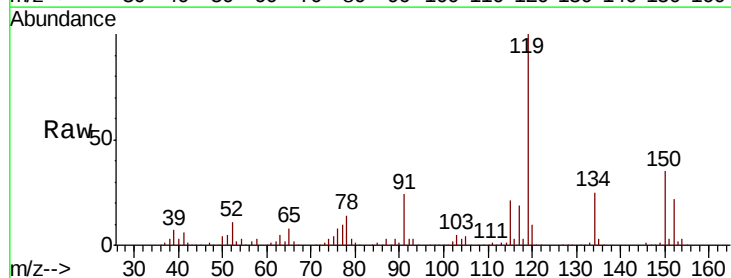


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

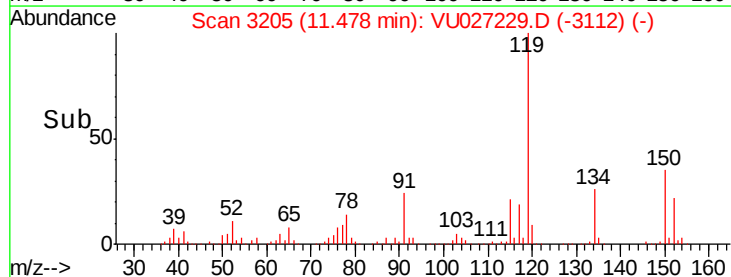
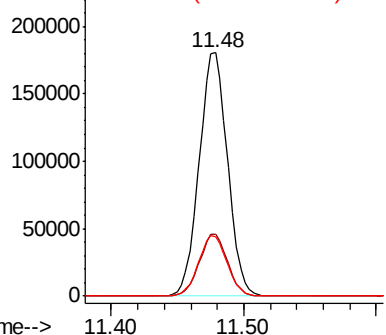


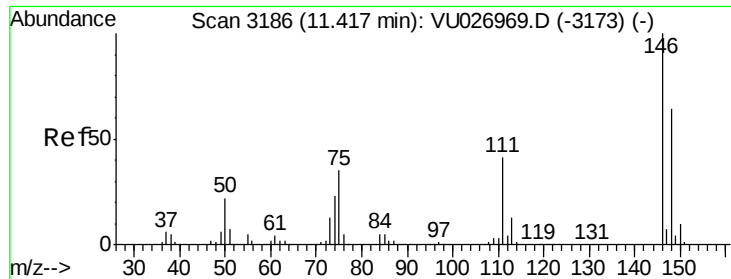
#86
 p-Isopropyltoluene
 Concen: 52.715 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Tgt Ion:119 Resp: 268772
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.8 38.3
 91 24.9 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): VU

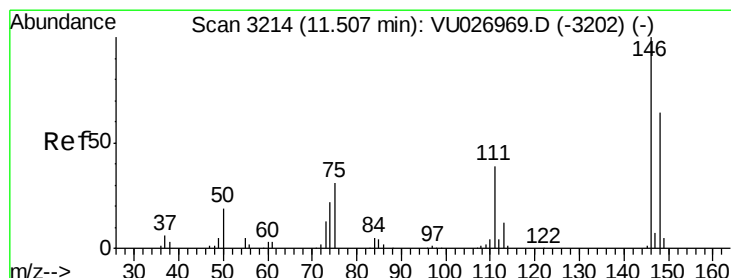
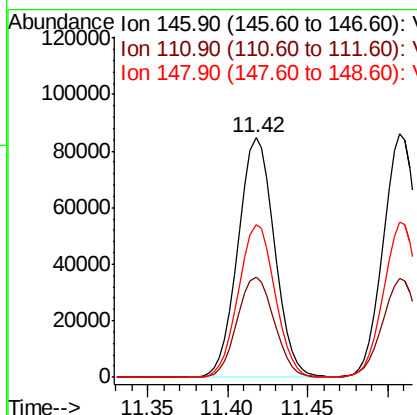
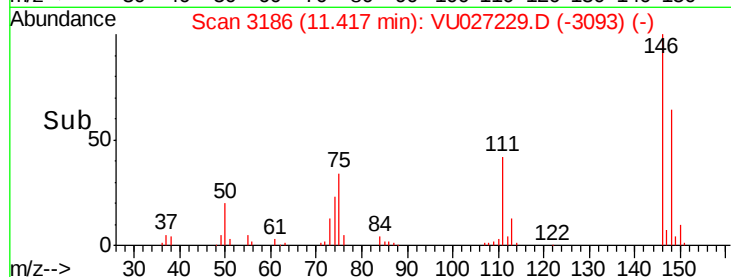
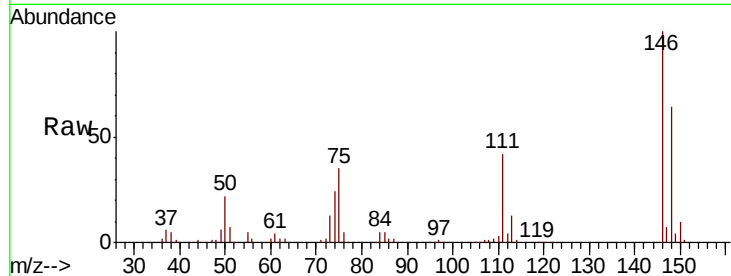




#87
 1,3-Dichlorobenzene
 Concen: 52.958 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

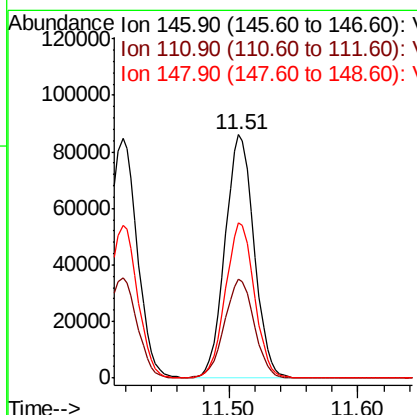
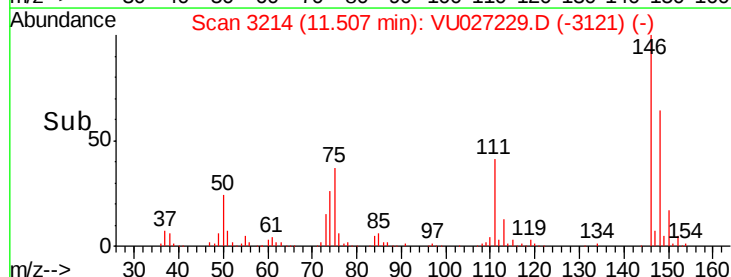
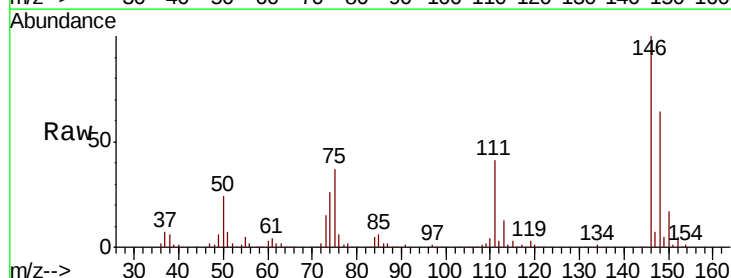
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

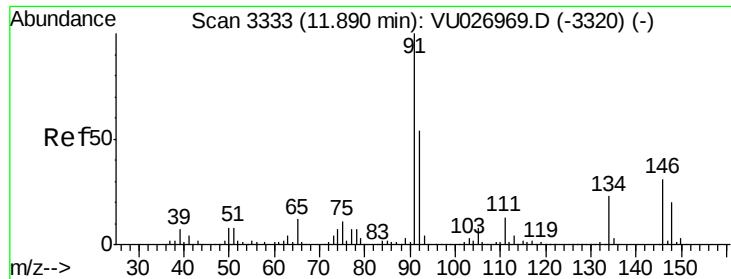
Tot Ion:146 Resp: 131220
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.8 62.2
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.600 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Tgt Ion:146 Resp: 133946
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.3 60.9
 148 63.5 31.9 95.9

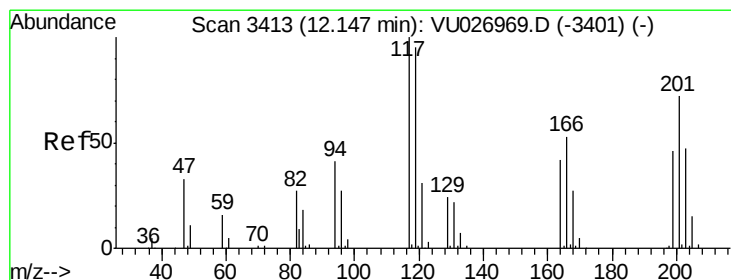
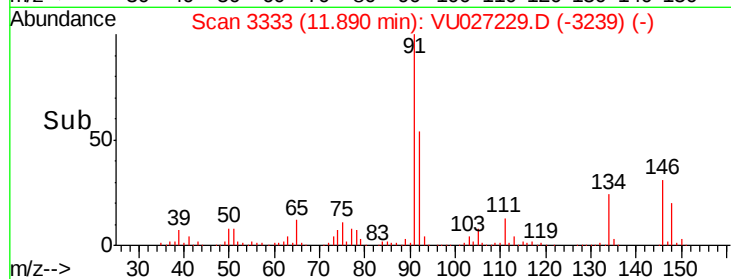
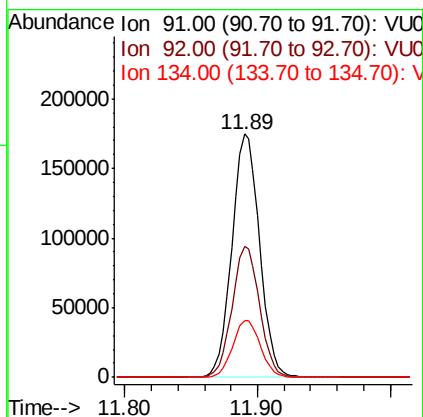
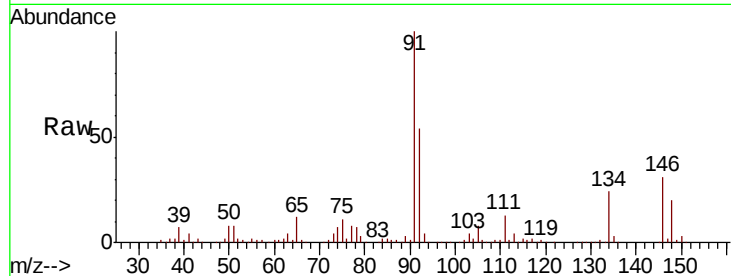




#89
n-Butylbenzene
Concen: 51.192 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

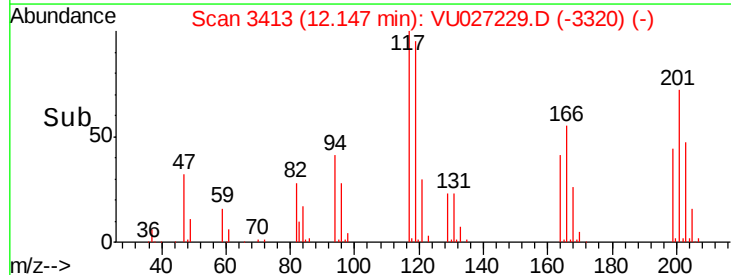
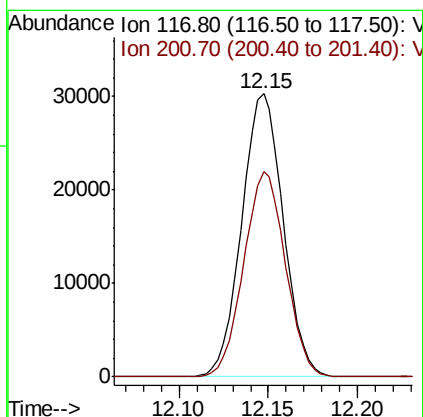
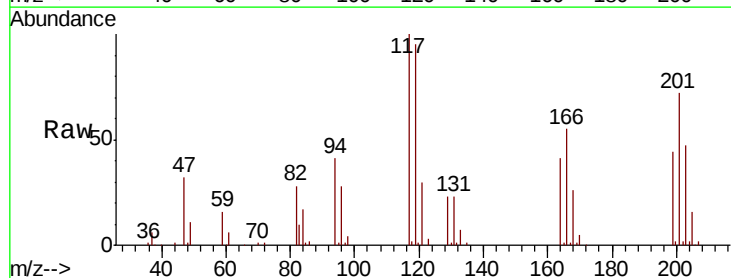
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

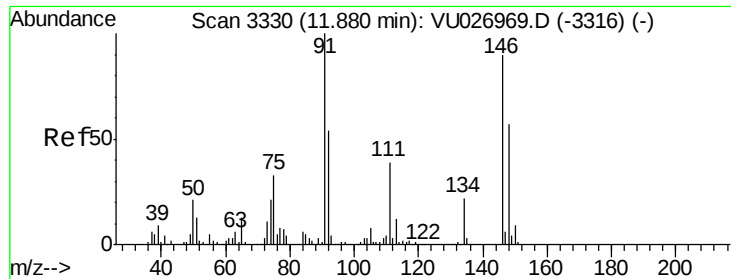
Tot Ion: 91 Resp: 253063
Ion Ratio Lower Upper
91 100
92 53.5 27.1 81.2
134 23.3 11.7 35.0



#90
Hexachloroethane
Concen: 49.999 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Tgt Ion: 117 Resp: 49355
Ion Ratio Lower Upper
117 100
201 72.7 36.8 110.3

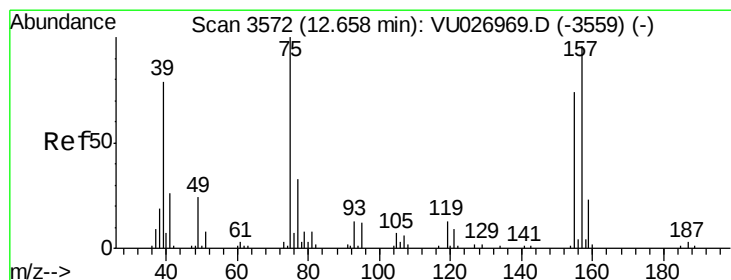
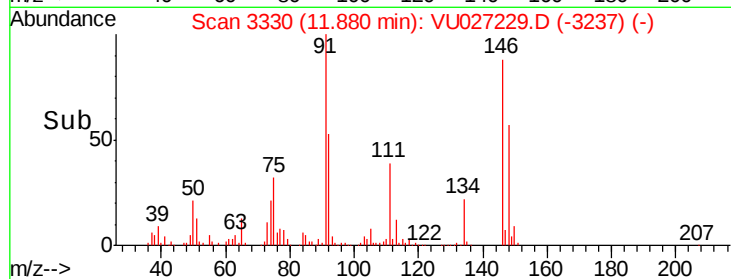
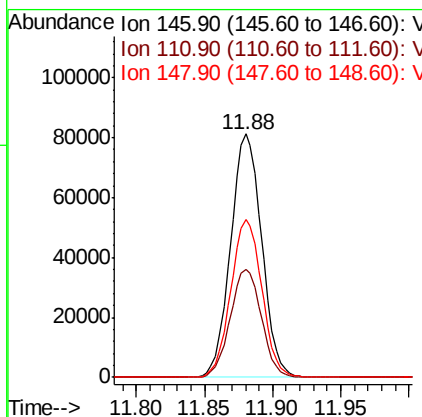
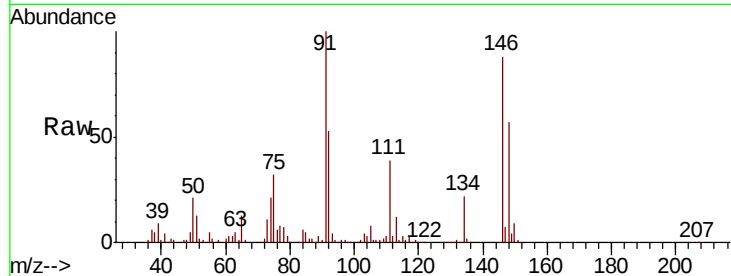




#91
 1,2-Dichlorobenzene
 Concen: 48.884 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

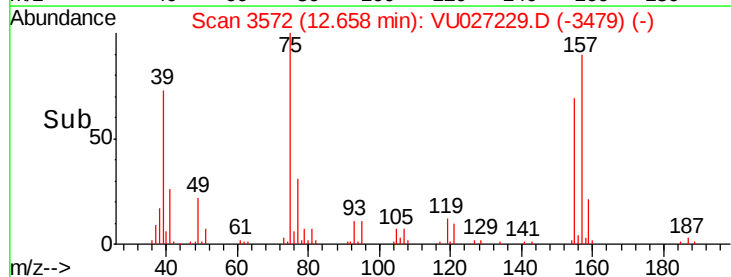
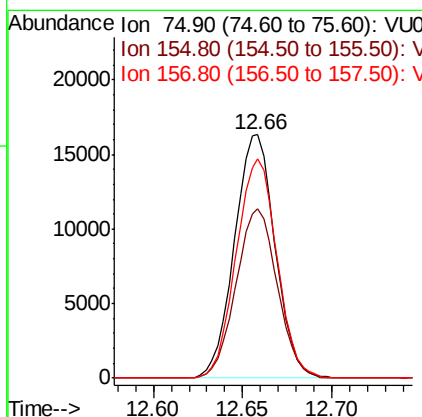
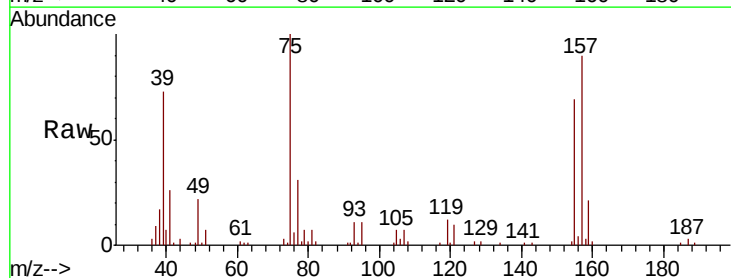
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

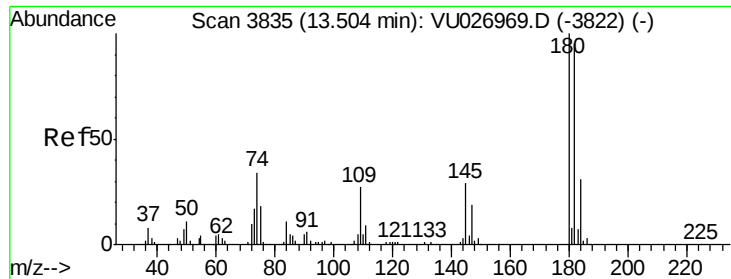
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.8	65.3
148	64.6	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.882 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027229.D
 Acq: 27 Sep 2018 16:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.4	36.6	109.8
157	90.1	47.4	142.2





#93

1,2,4-Trichlorobenzene

Concen: 55.838 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

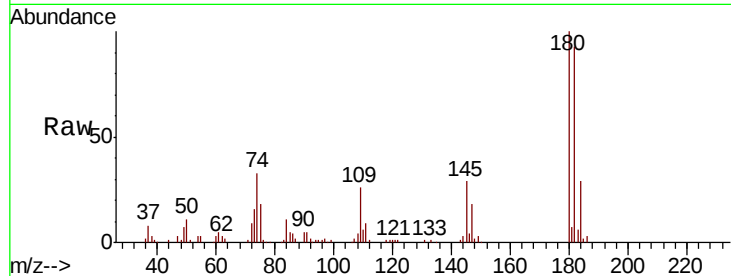
Tot Ion:180 Resp: 84693

Ion Ratio Lower Upper

180 100

182 94.2 47.4 142.2

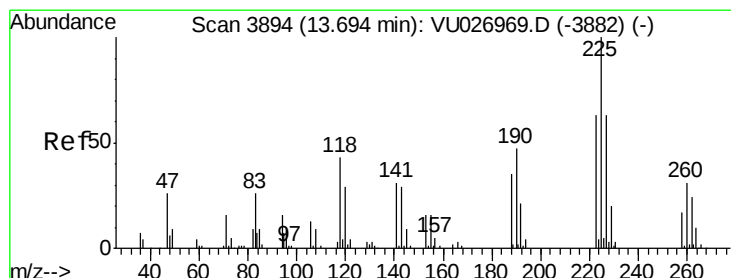
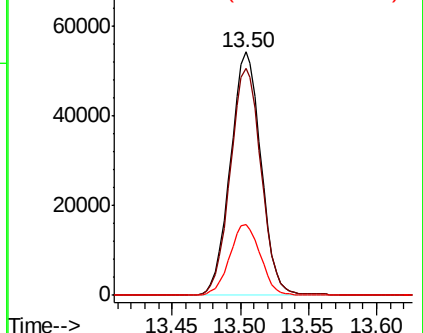
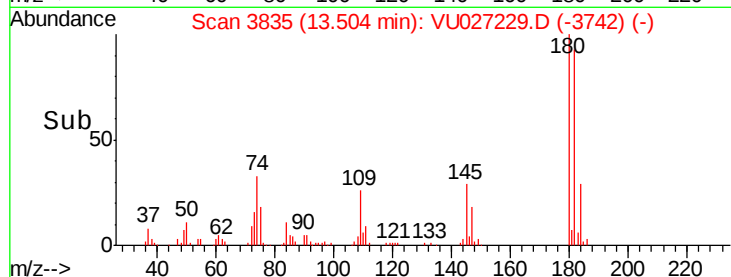
145 29.4 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 50.642 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU027229.D

Acq: 27 Sep 2018 16:58

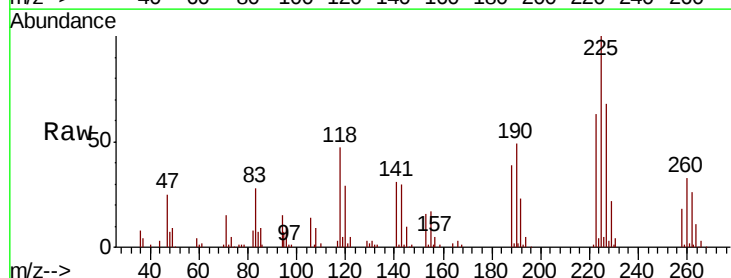
Tgt Ion:225 Resp: 40643

Ion Ratio Lower Upper

225 100

223 62.2 31.9 95.7

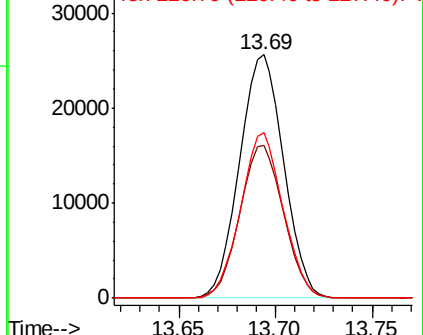
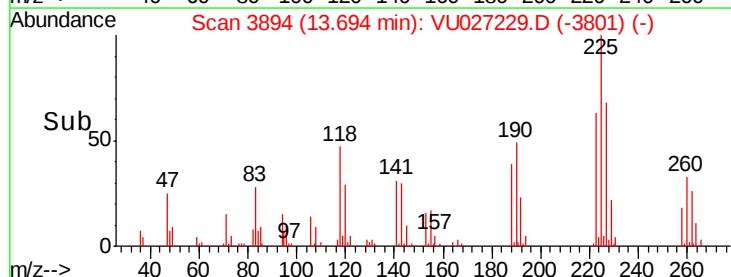
227 65.2 32.1 96.5

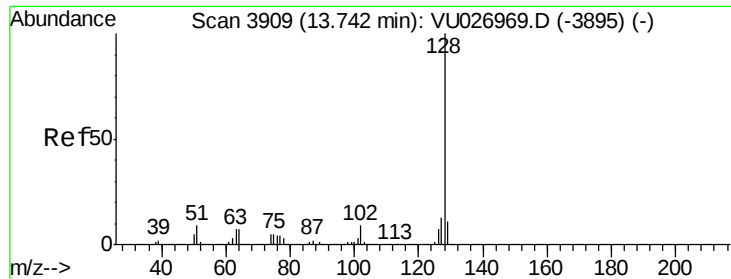


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

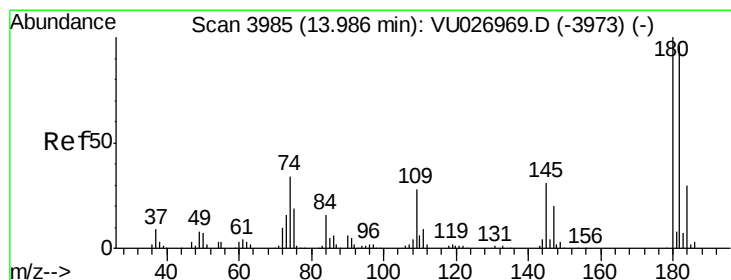
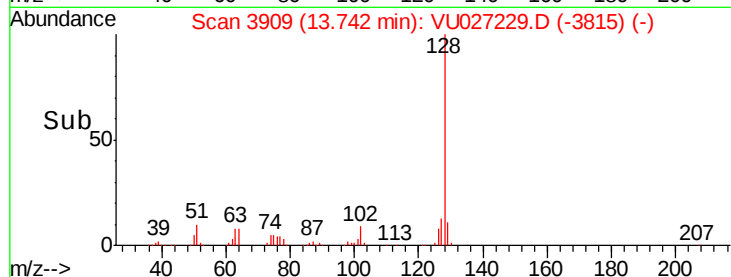
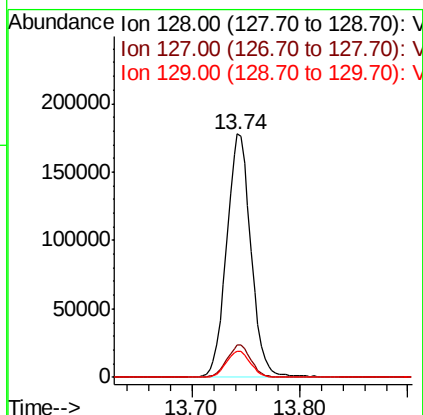
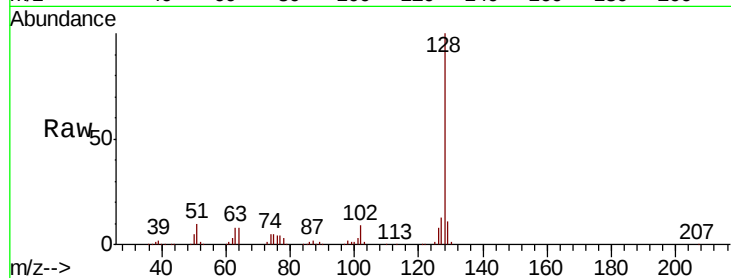




#95
Naphthalene
Concen: 47.279 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 279817
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.435 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027229.D
Acq: 27 Sep 2018 16:58

Tgt Ion:180 Resp: 86916
Ion Ratio Lower Upper
180 100
182 96.0 47.5 142.5
145 32.2 15.4 46.4

